

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

BULLETIN 145

COTTON PRODUCTION  
AND  
DISTRIBUTION

SEASON OF 1919-20



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## LETTER OF TRANSMITTAL.

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DEPARTMENT OF COMMERCE,  
BUREAU OF THE CENSUS,  
*Washington, D. C., October 29, 1920.*

SIR: I transmit herewith Census Bulletin 145, which is a report on the production of cotton from the crop of 1919, and the consumption, imports, exports, and stocks of cotton and number of cotton spindles for the year ending July 31, 1920, and cottonseed received, crushed, and on hand and cottonseed products manufactured, shipped out, and on hand for the same period. The data were collected and compiled by the Division of Cotton and Tobacco Statistics under the supervision of Mr. William L. Austion, chief statistician for cotton, assisted by Mr. Harvey J. Zimmerman, expert special agent.

The report is presented in several sections: (1) Supply and distribution of cotton in the United States; (2) annual production of cotton and linters in the United States, as returned by ginners and delinters, distributed by states, from 1916 to 1919, inclusive, and by counties from 1915 to 1919, inclusive, with production for previous years; (3) consumption and stocks of cotton and number of cotton spindles in the United States for the year ending July 31, 1920, together with detailed statistics of spindles, cotton consumed, and cotton on hand, including comparative figures for previous years; (4) imports and exports of cotton for the year ending July 31, 1920, with comparative figures for previous years, and value of imports and exports of cotton goods; (5) world's cotton production and consumption, by countries; and (6) cottonseed received, crushed, and on hand and products manufactured, shipped out, and on hand for the year ending July 31, 1920.

In conformity with the act of Congress approved July 22, 1912, there were published during the season of 1919-20, 10 preliminary reports of cotton ginned to specified dates and 12 reports giving for each month statistics of the quantity of cotton and linters consumed, the quantity on hand in consuming establishments and in public storage and at compresses, the quantity imported, the quantity exported, and the number of active consuming cotton spindles. The statistics of imports show the countries of production, and those of exports the principal countries to which exported. The present report gives the aggregation of the facts included in the preliminary statements and covers, respectively, the twenty-first and the sixteenth consecutive years for which statistics of cotton ginned and of cotton consumed and cotton stocks have been collected and published by this bureau. There were also published during the past season 12 preliminary reports of cottonseed received, crushed, and on hand, and of cottonseed products, manufactured, shipped out, and on hand, in compliance with the act of Congress approved August 7, 1916.

Respectfully,

SAM. L. ROGERS,  
*Director of the Census.*

HON. JOSHUA W. ALEXANDER,  
*Secretary of Commerce.*



# SUPPLY AND DISTRIBUTION OF COTTON IN THE UNITED STATES.

Table 1 summarizes the statistics for the supply and distribution of cotton and of linters in the United States for the 12 months ending July 31, 1919 and 1920. Detailed figures for the various items making up the supply and distribution are presented in the tables appearing elsewhere in this report.

TABLE 1.—SUPPLY AND DISTRIBUTION OF COTTON AND OF LINTERS IN THE UNITED STATES FOR THE 12 MONTHS ENDING JULY 31, 1919 AND 1920.

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales.]

	TOTAL (BALES).		COTTON, EXCLUSIVE OF LINTERS (BALES).		LINTERS (BALES).	
	1920	1919	1920	1919	1920	1919
<b>SUPPLY.</b>						
Aggregate.....	18,018,366	17,098,439	16,553,222	15,695,107	1,465,144	1,403,332
On hand at beginning of year, total...	5,155,682	3,890,105	4,286,785	3,450,188	868,897	439,917
In consuming establishments, total...	1,569,957	1,603,331	1,303,418	1,465,223	266,539	138,108
In cotton-growing states.....	749,621	640,838	599,151	577,563	150,470	63,275
In all other states.....	820,336	962,493	704,267	887,660	116,069	74,833
In public storage and at compresses...	2,435,725	1,971,774	2,208,367	1,734,965	227,358	236,809
Elsewhere (estimated).....	1,150,000	315,000	775,000	250,000	375,000	65,000
Net imports.....	682,911	197,201	682,911	197,201	(1)	(1)
Ginnings.....	11,920,625	12,816,716	11,325,532	11,906,480	595,093	910,236
To balance distribution.....	259,148	194,417	257,994	141,238	1,154	53,179
<b>DISTRIBUTION.</b>						
Aggregate.....	18,018,366	17,098,439	16,553,222	15,695,107	1,465,144	1,403,332
Exported.....	6,598,347	5,663,920	6,545,326	5,592,386	53,021	71,534
Consumed, total.....	6,762,207	6,223,837	6,419,734	5,765,936	342,473	457,901
In cotton-growing states.....	3,714,403	3,491,008	3,582,919	3,199,027	131,482	291,981
In all other states.....	3,047,804	2,732,829	2,836,815	2,566,909	210,989	165,920
Destroyed.....	85,000	55,000	25,000	50,000	60,000	5,000
On hand at end of year, total.....	4,572,812	5,155,682	3,563,162	4,286,785	1,009,650	868,897
In consuming establishments, total...	1,635,365	1,569,957	1,358,147	1,303,418	277,218	266,539
In cotton-growing states.....	757,461	749,621	612,793	599,151	144,668	150,470
In all other states.....	877,904	820,336	745,354	704,267	132,550	116,069
In public storage and at compresses...	2,437,447	2,435,725	2,055,015	2,208,367	382,432	227,358
Elsewhere (estimated).....	500,000	1,150,000	150,000	775,000	350,000	375,000

<sup>1</sup> Included in statistics of cotton imported.

The supply of cotton in the United States for the year ending July 31, 1920, amounted to 16,553,222 bales and of linters to 1,465,144 bales, making the total supply of cotton and linters combined 18,018,366 bales. This total compares with 17,098,439 bales for 1919 and 18,913,660 bales for 1915, which included the record crop of 1914. The total of the supply for any year is made up principally of the ginnings for that year, and the differences in supply from year to year are measured practically by the differences in the size of the crops produced, variations in stocks brought forward, and in net imports, being too small, as a rule, to effect materially the relative size of the totals.

Of the total supply of cotton for 1920, 6,444,734 bales, or 38.9 per cent, including the quantity destroyed by fire, were consumed in this country; 6,545,326 bales, or 39.6 per cent, were exported; and 3,563,162 bales, or 21.5 per cent, remained in the country at the close of the year. Of the linter supply, 402,473 bales were consumed in this



country, 53,021 bales were exported, and 1,009,650 bales were held in the country at the close of the year. The mill consumption of cotton in the United States in 1920 showed a decided increase as compared with the preceding year, but was short of the record totals for 1917 and 1918. The mill consumption of linters, 342,473 bales, was the smallest for any year since the beginning of the European war, in 1914. Compared with 1918 the consumption showed a decrease from 1,118,840 bales, or 776,367 bales. The consumption of linters for industrial purposes was virtually discontinued during the war, the Government requisitioning practically the entire output of the mills. The quantities consumed during the earlier months of the cotton year were very small, but increased month by month.

Stocks of cotton in the United States at the end of July, 1920, amounted to 3,563,162 bales and of linters 1,009,650 bales—a total of 4,572,812 bales. Compared with July 31, 1919, stocks of cotton showed a decrease of 723,623 bales, the quantity also being exceeded by stocks on July 31, 1915. Cotton held in consuming establishments amounted to 1,358,147 bales, which compares with 1,303,418 bales for the preceding year. On the basis of the consumption during the past year, the stocks held in consuming establishments July 31, 1920, represent a supply for the American mills of about 11 weeks.

#### COMPARATIVE DATA.

Formerly statistics of linters were included with those of cotton in making up the figures for the supply and distribution, and only since September 1, 1913, have data of linters exported been available, thus permitting the presentation of complete statistics of lint cotton separately. Table 2, which gives comparative statistics for the supply and distribution of cotton since the inauguration of these reports by the Bureau of the Census, necessarily combines the data for cotton and linters.

#### METHOD OF COLLECTING AND ASSEMBLING DATA.

The data relative to cotton ginned have been collected by local agents of the Census Bureau who canvassed the ginneries. Information as to cotton and linters consumed, stocks held in consuming establishments, and stocks in public storage and at compresses have been secured by these same local agents in the cotton-growing states; in all other states it has been obtained by correspondence. Stocks at ports, generally known as "port stocks," are included in the census reports as stocks held in consuming establishments, in public storage and at compresses, and elsewhere, respectively. The statistics of imports and exports have been compiled by the Bureau of Foreign and Domestic Commerce, Department of Commerce.

The supply of cotton for the year comprises the stocks held at the beginning of the year, together with the net imports of cotton and the amount of cotton ginned.

The statistics showing the distribution of the supply give the quantity of cotton used in manufacture during the year, the amount destroyed, that exported, and stocks in the country at the close of the year. The total for stocks held is made up of the quantity in consuming establishments, both in the cotton-growing states and in all other states, that held in public storage and at compresses, and the estimated amount held elsewhere.

To secure complete data regarding the stocks, it would be necessary to canvass all agencies which handle cotton and linters. There are approximately 2,000,000 growers, 23,000 ginneries, 900 cottonseed-oil mills, 3,000 public storage places, and 2,100 cotton-consuming establishments. In addition, there are numerous transportation companies, local buyers, merchants, and others who handle more or less cotton during the season. It is manifestly impracticable to obtain monthly reports from so many agencies, and the Bureau of the Census has therefore adopted the plan of securing individual reports of the quantity of cotton and linters consumed during each month, and of stocks on hand in consuming establishments and in independent warehouses, compresses, and other public storage places at the end of the month.



TABLE 2.—SUPPLY AND DISTRIBUTION OF COTTON AND LINTERS IN THE UNITED STATES: 1906 TO 1920.

[The statistics for 1915 to 1920 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31. Quantities are given in running bales except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales.]

	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906
<b>SUPPLY.</b>															
Aggregate.....	18,018,366	17,098,439	16,076,558	16,606,048	16,972,895	18,913,660	16,492,408	16,275,734	17,896,226	13,873,423	12,188,021	15,312,885	13,358,707	15,025,720	13,047,219
On hand at beginning of year, total....	5,155,682	3,890,105	3,173,832	3,403,256	4,324,890	1,547,448	1,648,438	1,776,885	1,375,031	1,040,040	1,483,585	1,236,058	1,514,567	1,349,139	1,934,548
In consuming establishments, total.	1,569,957	1,603,331	1,614,888	1,732,686	1,600,090	989,980	778,158	870,646	542,191	533,232	907,097	594,184	1,016,738	680,471	776,801
In cotton-growing states.....	749,621	640,838	667,160	718,117	673,731	347,664	234,509	241,611	101,114	121,349	186,458	112,471	311,307	184,060	232,928
In all other states.	820,336	962,493	947,728	1,014,569	926,359	642,316	543,649	629,035	441,077	411,883	720,639	481,713	705,431	496,411	543,873
In public storage and at compresses	2,435,725	1,971,774	1,118,944	1,220,570	1,874,800	457,468	495,280	556,239	432,840	306,808	325,099	444,626	388,919	668,668	1,157,747
Elsewhere <sup>1</sup> .....	1,150,000	315,000	440,000	450,000	850,000	100,000	375,000	350,000	400,000	200,000	251,389	197,248	108,910		
Net imports.....	682,911	197,201	217,381	288,486	420,995	363,595	265,646	225,460	229,268	231,191	151,395	165,451	140,869	202,733	133,464
Ginnings.....	11,920,625	12,816,716	12,344,664	12,664,078	12,012,813	16,738,241	14,290,320	14,150,078	16,068,936	12,384,248	10,350,978	13,418,144	11,527,833	13,097,992	10,656,498
To balance distribution	259,148	194,417	340,681	250,228	214,197	264,376	288,004	114,311	222,991	217,944	202,063	493,232	175,438	375,856	322,709
<b>DISTRIBUTION.</b>															
Aggregate.....	18,018,366	17,098,439	16,076,558	16,606,048	16,972,895	18,913,660	16,492,408	16,275,734	17,896,226	13,873,423	12,188,021	15,312,885	13,358,707	15,025,720	13,047,219
Exported.....	6,598,347	5,663,920	4,476,124	5,739,009	6,191,110	8,544,563	8,914,839	8,800,966	10,681,758	7,781,414	6,339,028	8,574,024	7,573,349	8,503,265	6,763,041
Consumed, total.....	6,762,207	6,223,837	7,685,329	7,658,207	7,278,529	6,009,207	5,884,733	5,786,330	5,367,583	4,704,978	4,798,953	5,240,719	4,539,090	4,984,936	4,909,279
In cotton-growing states.....	3,714,403	3,491,008	4,414,052	4,335,007	3,977,130	3,193,353	3,023,415	2,960,518	2,712,223	2,328,487	2,292,333	2,553,797	2,187,096	2,410,993	2,373,577
In all other states..	3,047,804	2,732,829	3,271,277	3,323,200	3,301,399	2,815,854	2,861,318	2,825,812	2,655,360	2,376,491	2,506,620	2,686,922	2,351,994	2,573,943	2,535,702
Destroyed by fire.....	85,000	55,000	25,000	35,000	100,000	35,000	45,000	40,000	70,000	12,000	10,000	14,557	10,210	22,952	25,760
On hand at end of year, total.....	4,572,812	5,155,682	3,890,105	3,173,832	3,403,256	4,324,890	1,647,836	1,648,438	1,776,885	1,375,031	1,040,040	1,483,585	1,236,058	1,514,567	1,349,139
In consuming establishments, total.	1,635,365	1,569,957	1,603,331	1,614,888	1,732,686	1,600,090	751,219	778,158	870,646	542,191	533,232	907,097	594,184	1,016,738	680,471
In cotton-growing states.....	757,461	749,621	640,838	667,160	718,117	673,731	213,418	234,509	241,611	101,114	121,349	186,458	112,471	311,307	184,060
In all other states.	877,904	820,336	962,493	947,728	1,014,569	926,359	537,801	543,649	629,035	441,077	411,883	720,639	481,713	705,431	496,411
In public storage and at compresses.	2,437,447	2,435,725	1,971,774	1,118,944	1,220,570	1,874,800	576,617	495,280	556,239	432,840	306,808	325,099	444,626	388,919	668,668
Elsewhere <sup>1</sup> .....	500,000	1,150,000	315,000	440,000	450,000	850,000	320,000	375,000	350,000	400,000	200,000	251,389	197,248	108,910	

<sup>1</sup> Estimated.



In order to present a comprehensive statement of the distribution of the supply of cotton and linters, however, it is necessary to include the item of stocks held "elsewhere," that is, the quantity of baled cotton in the actual possession of merchants, buyers, ginners, transportation companies, and producers, mentioned above as not having been canvassed. Full consideration has been given to all the factors entering into the situation in arriving at the quantity so held on July 31, 1920, and the amount has been estimated at 150,000 bales of cotton and 350,000 bales of linters. These amounts, while somewhat conjectural, are believed to be approximately correct.

The supply of cotton for the season of 1919-20, as computed from the stocks at the beginning of the year and the imports and the ginnings during the year, falls short 257,994 bales of the total quantity consumed in manufacture, destroyed, exported, and held as stocks at the end of the year, and this amount is accordingly entered in the table under the heading "To balance distribution."

It is to be expected that the figures for the total supply, as thus compiled, will not equal those for the total distribution, as a number of conditions affect these data. Among the factors responsible for this difference may be named the following: (1) The inclusion of rebaled samples, commonly called "city crop," in the statistics of distribution; (2) the lack of uniformity on the part of manufacturers and others in returning stocks; and (3) an understatement by ginners of the quantity of cotton produced, due largely to their inability to make accurate estimates at the time of the last canvass of the quantity of cotton remaining to be ginned. It is impossible to state with any degree of accuracy how much any one of these factors contributes to the difference. The amount due to each, no doubt, varies in different seasons, but a considerable part of the difference between the figures for supply and those for distribution in any season is certainly attributable to the first-named cause. On its commercial route from the grower to its ultimate American destination, a bale of cotton is "sampled" a number of times—that is, small quantities of the fiber are extracted from the bale by successive bidders for use in determining its grade and value. Those samples, with other cotton from time to time separated from the original packages, are rebaled and such bales are counted in the statistics of exports, consumption, and stocks. Statistics of supply based upon an enumeration of the bales at the gineries before any samples have been removed show, therefore, a smaller number of bales than the statistics of exports, consumption, and stocks on hand combined, although there is present in each case the same amount of lint cotton. The amount of this rebaled cotton varies in different seasons with the size of the crop and because of other conditions.

The supply of linters as computed also falls short of the distribution by 1,154 bales. This is accounted for in part by the inclusion of bleached linters and possibly bleached hull fiber in the statistics of linters exported. This has resulted in some duplication since the raw linters bleached have been reported as consumed by the manufacturers engaged in this work. Another factor to be considered is the possible inclusion of notes and sweepings in the data of exports and consumption.

#### PERIODICAL COTTON REPORTS.

During the season of 1920-21, as heretofore, practically semimonthly reports of cotton ginned will be issued. The dates to which the statistics of these reports will relate and the dates on which they are expected to be published are presented in the following schedule:



## GINNING REPORTS TO BE ISSUED DURING THE SEASON OF 1920-21.

REPORT NO.	Date to which report relates (close of business).	Date of publication (10 a. m.).	REPORT NO.	Date to which report relates (close of business).	Date of publication (10 a. m.).
1.....	Aug. 31	Sept. 8	6.....	Nov. 30	Dec. 8
2.....	Sept. 24	Oct. 2	7.....	Dec. 12	Dec. 20
3.....	Oct. 17	Oct. 25	8.....	Dec. 31	Jan. 10
4.....	Oct. 31	Nov. 8	9.....	Jan. 15	Jan. 24
5.....	Nov. 13	Nov. 22	10.....	Feb. 1 28	Mar. 21

<sup>1</sup> The time allotted to the canvass is Mar. 1 to Mar. 10, inclusive, and the agents are instructed to report all cotton ginned prior to the time of their visits, together with the ginners' estimates of cotton remaining to be ginned.

The statistics in these reports show conditions at the close of business on the days to which the reports relate. For every report the canvassing agents are given approximately one week in which to visit the gineries and secure the returns. Summaries showing the number of bales ginned to a specified date are telegraphed to the bureau and on the morning following the last day of the canvass the figures in these summaries are added and the results given to the public at 10 o'clock.

At the time of telegraphing the summaries the agents are required to mail the individual returns of the gineries which they have collected and used in preparing the summaries. These returns afford a check on the telegraphic summaries, as they are carefully examined and compared with previous reports, corrected by correspondence when inconsistencies are discovered, and finally readmitted in the bureau. Thus necessary revisions are made in the figures of the published preliminary reports.

There will be monthly reports of cotton and linters consumed, imported, exported, and on hand, and of active consuming cotton spindles. Each of these will relate to a calendar month and will be published about the 14th of the succeeding month.

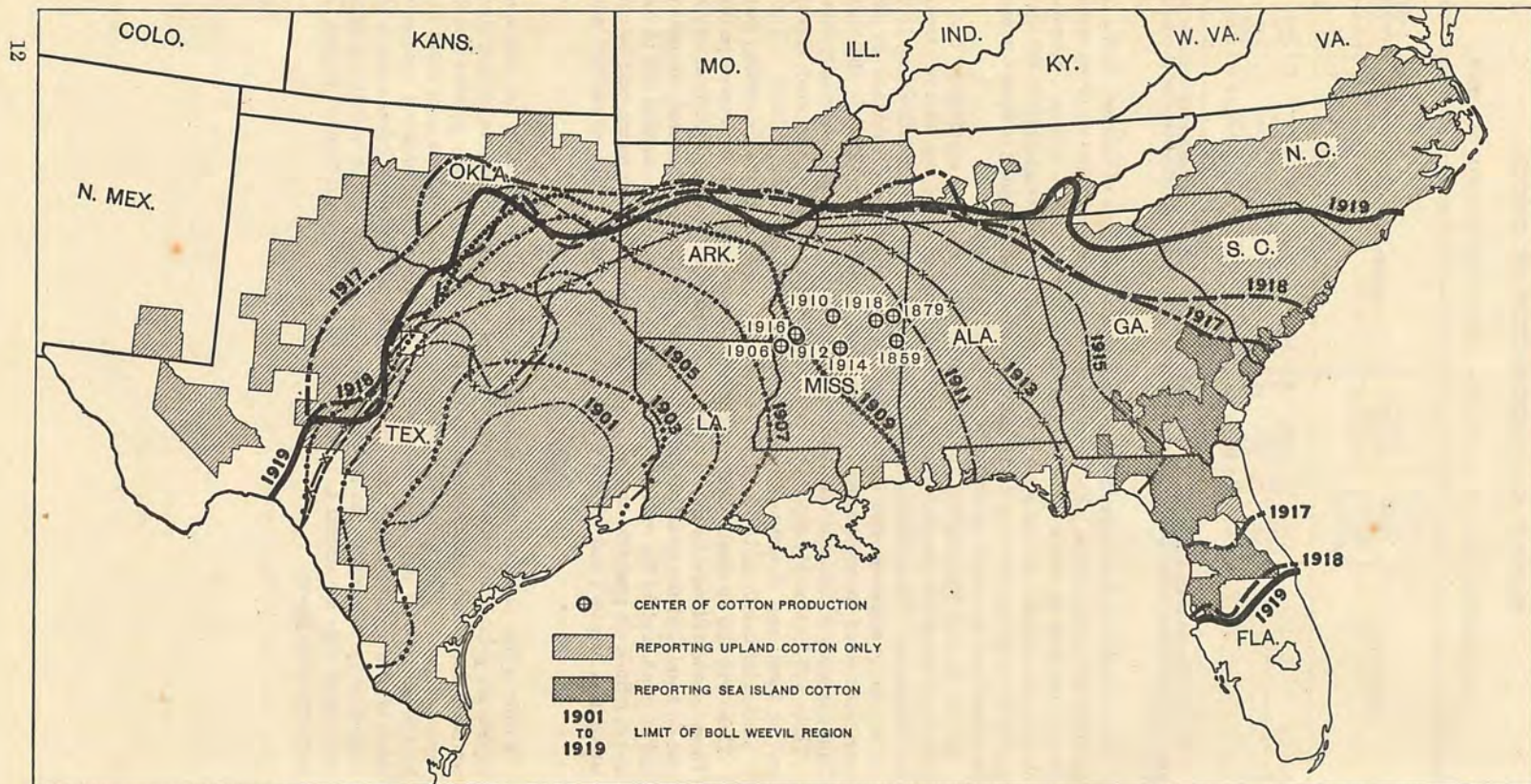
There will also be monthly reports concerning cottonseed and cottonseed products. These reports will show for the oil mills the quantities of cottonseed received, crushed, and on hand, and the quantities of cottonseed products manufactured, shipped out, and on hand, and for the refineries the quantities of crude oil consumed and on hand, and of refined oil produced and on hand. The reports for each month will be cumulative from August 1 and will be published about the 19th of the succeeding month.

## DISTRIBUTION OF REPORTS.

Within a few hours after the information has been made public all preliminary reports are printed on preaddressed cards and mailed to all ginners, manufacturers, warehousemen, and cottonseed-oil manufacturers, and to all other persons who have requested them. The using of preaddressed post cards permits a more rapid distribution than would otherwise be possible. Newspapers are furnished with county totals of cotton ginned, thus providing interesting and valuable information to those most directly concerned. In addition, large cards showing the quantity ginned to each report date are mailed to postmasters, who have been instructed to post them in conspicuous places.



COTTON-PRODUCING AREA OF THE UNITED STATES IN 1919 AND CENTER OF PRODUCTION: 1850-1919.





## COTTON PRODUCTION IN THE UNITED STATES.

Table 3 is a comparative summary of the production of cotton and linters in the United States from 1899 to 1919, inclusive, as ascertained from the reports of ginnerers and delinters.

TABLE 3.—COMPARATIVE SUMMARY—COTTON AND LINTER PRODUCTION: CROPS OF 1899 TO 1919.

GROWTH YEAR.	COTTON (EXCLUSIVE OF LINTERS).						LINTERS.	
	Running bales, counting round as half bales.	Equivalent 500-pound bales.	Running bales.				Running bales.	Equivalent 500-pound bales.
			Total.	Upland.		Sea-island.		
				Square.	Round.			
1919.....	11,325,532	11,420,763	11,382,684	11,261,463	114,305	6,916	595,003	607,969
1918.....	11,906,480	12,040,532	11,983,582	11,777,170	154,204	52,208	910,236	929,516
1917.....	11,248,242	11,302,375	11,342,780	11,061,085	189,076	92,619	1,096,422	1,125,719
1916.....	11,363,915	11,449,930	11,460,084	11,150,186	192,339	117,559	1,300,163	1,330,714
1915.....	11,068,173	11,191,820	11,124,031	10,920,471	111,716	91,844	944,640	931,141
1914.....	15,905,840	16,134,930	15,934,649	15,795,377	57,618	81,654	832,401	856,900
1913.....	13,982,811	14,156,486	14,032,792	13,855,267	99,962	77,563	631,153	638,881
1912.....	13,488,539	13,703,421	13,529,303	13,373,998	81,528	73,777	602,324	609,594
1911.....	15,553,073	15,692,701	15,603,850	15,383,003	101,554	119,293	556,276	557,575
1910.....	11,568,334	11,608,616	11,624,777	11,421,522	112,887	90,368	397,628	397,072
1909.....	10,072,731	10,004,949	10,148,076	9,902,595	150,690	94,791	313,478	310,433
1908.....	13,086,005	13,241,799	13,207,157	12,870,994	242,305	93,858	346,126	345,507
1907.....	11,057,822	11,107,179	11,157,096	10,871,652	198,549	86,895	268,060	268,282
1906.....	12,983,201	13,273,809	13,117,310	12,791,541	268,219	57,550	322,064	321,689
1905.....	10,495,105	10,575,017	10,635,023	10,242,648	279,336	112,539	230,497	229,539
1904.....	13,451,337	13,438,012	13,599,412	13,198,944	296,151	104,317	245,973	241,942
1903.....	9,819,969	9,851,129	10,205,073	9,359,472	770,208	75,393	195,752	194,486
1902.....	10,588,250	10,630,945	11,078,882	9,992,665	981,264	104,953	196,223	196,223
1901.....	9,582,520	9,509,745	9,954,945	9,132,215	744,851	77,879	166,026	166,026
1900.....	10,102,102	10,123,027	10,486,148	9,629,762	768,092	88,294	143,500	143,500
1899.....	9,398,242	9,345,391	9,645,974	9,043,231	505,464	97,279	114,544	114,544

<sup>1</sup> Includes 40,437 American-Egyptian bales for 1919 and 36,187 bales for 1918.

The quantity of cotton reported for the crop of 1919, counting round bales as half bales and excluding linters, is 11,325,532 running bales. Expressed in units of 500 pounds gross weight, the crop amounted to 11,420,763 bales. Compared with the crop of 1918 (12,040,532 bales), there was a decrease of 619,769 bales, or 5.1 per cent, and with the crop of 1914 (16,134,930 bales) a decrease of 4,714,167 bales, or 29.2 per cent. The crop of 1919 was the fifth consecutive year of low yield, the average for the five years being only 11,481,084 bales. The total production for the earliest seven-year period covered by the table was 73,473,266 bales, an average of 10,496,181 bales, as compared with 88,632,474 bales and an average of 12,661,782 bales for the following seven-year period and 87,696,836 bales and an average of 12,528,119 bales for the last seven-year period.

Practically the entire production of cotton in the United States is upland, which includes a number of long-staple varieties. The quantity of sea-island cotton produced from the crop of 1919 was equivalent to 5,020 bales of 500 pounds each. The sections producing this cotton are infested by the boll weevil, and the outlook for quantity production is very unfavorable.



The cotton-producing area of the United States, as determined by the returns of the ginner, is shown on Map 1, with the exception of the comparatively small areas in Arizona and California. Localities producing upland cotton only are represented on the map by diagonal lines and those producing sea-island, or both sea-island and upland, by intercrossed lines. On pages 128 to 135 will be found maps indicating the relative importance of the counties in the principal cotton-growing states from the standpoint of the quantities of cotton produced in 1919. The white and black color scheme of these maps reveals at a glance the heavy producing sections of the several states.

The production of linters prior to the outbreak of hostilities in 1914 had been steadily increasing both in total output and in the average quantity secured per ton of seed treated. The extraordinary demand for this fiber in the manufacture of explosives led to greater activity and more intensive processes in its production to the end that the increase in output was very pronounced. The quantity produced from the crop of 1899 was only 114,544 bales of 500 pounds each. With but few seasons showing a smaller production than the preceding one the output steadily increased until the record crop of 1914, from the seed of which 856,900 bales of linters were secured. The results of more intensive processes are better appreciated when it is borne in mind that the remarkable outputs of the four following crops were from seed productions scarcely more than two-thirds as large as that of 1914. The production from the crop of 1915 was 931,141 bales, or 8.7 per cent over that of 1914. From the crop of 1916 the output rose to 1,330,714 bales, or 55.3 per cent; from the crop of 1917, to 1,125,719 bales, or 31.4 per cent; and from the crop of 1918, to 929,516 bales, or 8.5 per cent over the production of 1914. Because of the great demand for linters in the manufacture of explosives quantities of seed intended for planting purposes were first passed through the delinting machines. In their regular operations many mills have obtained more than 150 pounds of linters per ton of seed treated, whereas in the earlier history of the industry few obtained as much as 50 pounds. With the cessation of hostilities, there has been a marked improvement in the grade of linters cut, the average per ton of seed being about 75 pounds, the total for the crop of 1919 being 595,093 bales. Detailed information regarding cottonseed and cottonseed products is presented on pages 85 to 97.

#### PRODUCTION, BY STATES.

Table 4 shows, by states, the quantity of cotton produced from the crops of 1916 to 1919, inclusive, the percentage of the total crop represented by the crop of each state, the rank of each state according to the quantity produced, and the production of linters. The production of cotton for earlier years is shown in Tables 18 and 38.



A comparison of the crop of 1919, by states, with the crop of 1918 shows decreased production in all of the states except Arizona, Missouri, Oklahoma, and Texas. The gain is particularly noticeable in Oklahoma, where the production rose from 585,149 bales in 1918 to 1,002,178 bales in 1919.

The crop in Arizona was more than double that in 1917. The interest manifested in the growing of cotton in that state is due to the suitability of certain portions of it for the production of Egyptian varieties, to the demand for cotton of like characteristics, to the high prices obtained for such cotton, to the success attending experimental efforts in its cultivation, and to the reduced production of sea-island. California shows a decrease of more than 12,000 bales, and includes some cotton produced in Mexico and ginned on the American side.

DIAGRAM 1.—PERCENTAGE OF COTTON GROWN IN EACH STATE: 1919.

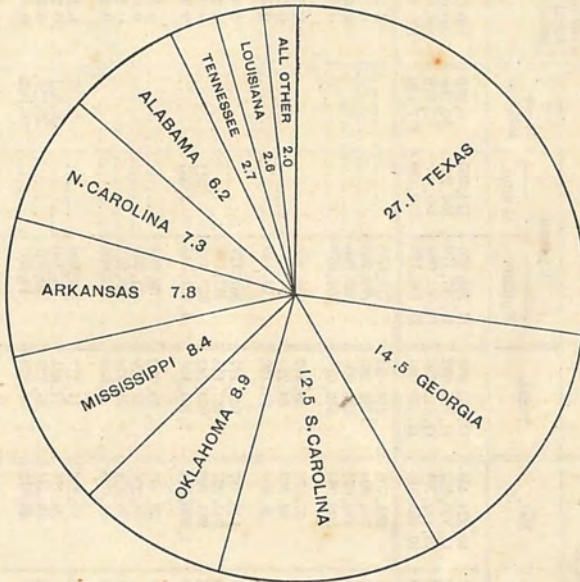




TABLE 4.—PRODUCTION, BY STATES, OF UPLAND AND SEA-ISLAND COTTON, WITH PERCENTAGE OF THE TOTAL CROP REPORTED FROM EACH STATE, AND RANK OF EACH STATE IN THE PRODUCTION OF COTTON; ALSO THE PRODUCTION OF LINTERS: 1916 TO 1919.

STATE.	Growth year.	COTTON PRODUCED (EXCLUSIVE OF LINTERS).								Per cent of total ginned. <sup>1</sup>	Rank in production. <sup>1</sup>	LINTERS.		
		Running bales, counting round as half bales.	Equivalent 500-pound bales.		Running bales.				Running bales.			Equivalent 500-pound bales.		
			Gross.	Net.	Total.	Upland.		Sea-island.				Gross.	Net.	
						Square.	Round.							
United States.....	1919	11,325,532	11,420,763	10,924,435	11,382,084	<sup>2</sup> 11,261,463	114,305	6,916	100.0	.....	595,093	607,969	581,785	
	1918	11,906,480	12,040,532	11,520,367	11,983,582	11,777,170	154,204	52,208	100.0	.....	910,236	929,516	889,466	
	1917	11,248,242	11,302,375	10,812,701	11,342,780	11,061,085	189,076	92,619	100.0	.....	1,096,422	1,125,719	1,077,476	
	1916	11,363,915	11,449,930	10,955,816	11,460,084	11,150,186	192,339	117,559	100.0	.....	1,300,163	1,330,714	1,273,507	
Alabama.....	1919	716,655	713,236	681,703	716,655	716,655	.....	.....	6.2	8	33,830	34,475	32,987	
	1918	789,265	800,622	765,894	789,265	789,265	.....	.....	6.6	7	51,938	51,412	49,127	
	1917	520,906	517,890	494,971	520,906	520,906	.....	.....	4.6	9	51,712	50,177	47,901	
	1916	552,679	533,402	509,084	552,679	552,679	.....	.....	4.7	8	68,028	68,250	65,257	
Arizona.....	1919	58,472	59,849	57,276	58,472	<sup>2</sup> 58,472	.....	.....	0.5	12	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
	1918	54,215	55,604	53,219	54,215	54,215	.....	.....	0.5	13	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
	1917	21,140	21,737	20,807	21,140	21,140	.....	.....	0.1	14	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
Arkansas.....	1919	867,177	884,473	846,317	867,177	867,177	.....	.....	7.8	6	36,661	38,298	36,685	
	1918	957,118	987,340	945,227	957,118	957,118	.....	.....	8.2	5	56,436	58,596	56,113	
	1917	953,587	973,752	931,799	953,742	953,431	311	.....	8.6	4	80,789	83,051	79,496	
	1916	1,102,671	1,134,033	1,085,564	1,104,196	1,101,145	3,051	.....	9.9	3	110,110	111,813	106,969	
California.....	1919	59,082	56,107	53,507	59,082	<sup>2</sup> 59,082	.....	.....	0.5	13	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
	1918	71,479	67,351	64,206	71,479	71,479	.....	.....	0.6	11	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
	1917	58,974	57,826	55,231	58,974	58,974	.....	.....	0.5	12	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
	1916	43,664	43,620	41,699	43,664	43,664	.....	.....	0.4	12	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
Florida.....	1919	17,317	15,922	15,227	17,317	14,530	.....	2,787	0.1	15	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
	1918	34,951	29,415	28,371	34,951	14,380	.....	20,571	0.2	14	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
	1917	48,178	37,858	36,634	48,178	10,851	.....	37,327	0.3	13	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
	1916	50,979	41,449	40,072	50,979	14,887	.....	36,092	0.4	13	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	
Georgia.....	1919	1,678,758	1,659,529	1,585,680	1,678,758	1,678,074	.....	684	14.5	2	110,964	110,214	105,331	
	1918	2,117,860	2,122,405	2,029,730	2,117,860	2,096,581	.....	21,279	17.6	2	163,248	164,670	157,487	
	1917	1,885,054	1,883,911	1,802,120	1,885,054	1,837,075	.....	47,979	16.7	2	189,169	190,964	182,641	
	1916	1,852,104	1,820,939	1,741,317	1,852,104	1,774,123	.....	77,981	15.9	2	222,819	227,757	217,953	
Louisiana.....	1919	303,035	297,681	284,374	303,838	302,232	1,606	.....	2.6	10	15,078	15,659	14,995	
	1918	582,698	587,717	562,078	582,698	582,698	.....	.....	4.9	8	37,336	39,065	37,452	
	1917	629,719	638,729	611,052	630,669	628,769	1,900	.....	5.7	7	50,495	51,853	49,631	
	1916	441,121	443,182	423,802	442,039	440,203	1,836	.....	3.9	9	54,910	55,264	52,848	



Mississippi.....	1919	950,907	960,886	919,047	950,907	950,907	.....	8.4	5	53,570	55,200	52,852
	1918	1,193,122	1,226,051	1,173,554	1,193,122	1,193,122	.....	10.2	4	93,452	97,267	93,155
	1917	886,269	905,554	866,558	886,269	886,269	.....	8.0	6	114,801	122,018	116,963
	1916	800,190	811,794	776,585	800,190	800,190	.....	7.1	6	122,260	124,678	119,299
Missouri.....	1919	62,667	64,031	61,273	62,667	62,667	.....	0.6	11	(3)	(3)	(3)
	1918	59,797	62,162	59,531	59,797	59,797	.....	0.5	12	(3)	(3)	(3)
	1917	58,937	60,831	58,238	58,937	58,937	.....	0.5	11	(3)	(3)	(3)
	1916	60,466	62,699	60,039	60,466	60,466	.....	0.5	11	(3)	(3)	(3)
North Carolina.....	1919	857,253	830,293	792,574	857,253	857,253	.....	7.3	7	45,850	45,674	43,657
	1918	919,338	897,761	857,310	919,338	919,338	.....	7.5	6	68,895	69,528	66,497
	1917	656,656	617,989	589,097	656,656	656,656	.....	5.5	8	59,710	60,936	58,309
	1916	693,672	654,608	624,081	693,672	693,672	.....	5.7	7	64,315	65,534	62,704
Oklahoma.....	1919	1,002,178	1,016,129	972,747	1,024,472	979,884	44,588	8.9	4	44,824	45,986	44,014
	1918	585,149	576,886	551,714	603,119	567,179	35,940	4.8	9	49,014	50,684	48,528
	1917	955,342	959,081	918,191	919,567	71,550	.....	8.5	5	78,591	81,123	77,665
	1916	813,419	823,526	788,594	840,236	786,603	53,633	7.2	5	90,894	95,327	91,328
South Carolina.....	1919	1,462,277	1,426,146	1,361,889	1,462,277	1,458,832	3,445	12.5	3	56,729	56,411	53,915
	1918	1,581,726	1,569,918	1,500,571	1,581,726	1,571,368	10,358	13.0	3	82,040	79,422	75,812
	1917	1,267,135	1,236,871	1,181,292	1,267,135	1,259,822	7,313	10.9	3	85,236	84,995	81,244
	1916	970,702	931,830	889,203	970,702	967,216	3,486	8.1	4	72,732	74,279	71,079
Tennessee.....	1919	301,408	310,044	296,782	301,408	301,408	.....	2.7	9	31,407	33,750	32,368
	1918	317,962	329,697	315,707	317,962	317,962	.....	2.7	10	53,409	55,481	53,131
	1917	238,806	240,525	230,017	238,806	238,806	.....	2.1	10	66,543	71,650	68,722
	1916	378,064	382,422	365,788	378,064	378,064	.....	3.4	10	88,509	93,929	90,035
Texas.....	1919	2,960,335	3,098,967	2,969,802	2,994,390	2,926,279	68,111	27.1	1	147,399	152,670	146,185
	1918	2,610,337	2,696,561	2,583,598	2,669,469	2,551,205	118,264	22.4	1	225,884	234,458	224,519
	1917	3,041,726	3,125,378	2,993,387	3,099,384	2,984,069	115,315	27.7	1	287,617	296,981	284,326
	1916	3,562,789	3,725,700	3,571,079	3,629,698	3,495,879	133,819	32.5	1	371,642	380,355	364,003
Virginia.....	1919	23,076	22,523	21,507	23,076	23,076	.....	0.2	14	.....	.....	.....
	1918	25,235	24,885	23,774	25,235	25,235	.....	0.2	15	.....	.....	.....
	1917	20,155	18,777	17,890	20,155	20,155	.....	0.2	15	.....	.....	.....
	1916	27,975	27,127	25,896	27,975	27,975	.....	0.2	14	.....	.....	.....
All other states <sup>4</sup> .....	1919	4,935	4,947	4,730	4,935	4,935	.....	0.1	.....	18,781	19,623	18,796
	1918	6,228	6,157	5,883	6,228	6,228	.....	0.1	.....	28,584	28,903	27,645
	1917	5,658	5,666	5,417	5,658	5,658	.....	0.1	.....	31,669	31,971	30,578
	1916	13,420	13,604	13,013	13,420	13,420	.....	0.1	.....	33,944	33,528	32,082

<sup>1</sup> Based on equivalent 500-pound bales, excluding linters.

<sup>2</sup> Includes 40,437 bales of American-Egyptian, distributed as follows: Arizona, 39,825 bales; and California, 612 bales.

<sup>3</sup> Included in "All other states," to avoid disclosure of individual operations.

<sup>4</sup> Includes Arizona for 1916, Kentucky and New Mexico, and the linter production of Arizona, California, Florida, Illinois, and Missouri.



## "SNAPPED" AND "BOLLY" COTTON.

Machinery for handling frosted cotton bolls which have not opened fully and other snapped cotton has been developed, and the quantity of such cotton obtained has been increasing. Owing to the high prices prevailing for cotton, together with the scarcity and cost of labor, considerable quantities of "snapped" and "bolly" cotton have been harvested from recent crops. In the western section of the cotton belt many gins are equipped with machinery for handling this cotton. The Bureau of Crop Estimates has collected some data as to the production of "snapped" and "bolly" cotton for the last three years, and the following statement has been prepared by that bureau:

The following is an estimate made by the cotton crop specialist of the Bureau of Crop Estimates of the production of "snapped" and "bolly" cotton for the years 1917, 1918, and 1919. In the 1917 and 1918 estimates no distinction was made between snaps and bollies. For the 1919 crop an estimate was made of the quantity produced of each kind of cotton, with the average prices paid to farmers for the cotton of this character during the season.

In 1919 a larger percentage than usual of the total crop of snaps and bollies was snapped cotton. This was caused by the fall and winter rains, which rotted the stems so badly that the cotton was hard to pick in the ordinary way. In 1917 a larger percentage was bolly cotton, which was caused by the early frost on a late cotton crop. The estimated production, by states, follows.

STATE.	SNAPS AND BOLLIES.			SNAPS, 1919.		BOLLIES, 1919.	
	1917 (bales).	1918 (bales).	1919 (bales).	Bales.	Price per pound (cents).	Bales.	Price per pound (cents).
Total.....	550,000	210,000	497,000	356,000	.....	141,000	.....
Texas.....	250,000	106,000	305,000	224,000	22.4	81,000	17.1
Oklahoma.....	170,000	62,000	130,000	87,000	22.8	43,000	17.2
Arkansas.....	40,000	20,000	21,000	15,000	24.2	6,000	18.6
Tennessee.....	40,000	6,000	14,000	10,000	24.0	4,000	15.9
All other states.....	50,000	16,000	27,000	20,000	22.8	7,000	16.9

## DEVELOPMENT OF THE 1919 CROP.

The size of a cotton crop is obviously dependent on climatic conditions, and information regarding rainfall, temperature, and frost receives great consideration by those interested in the crop. The following summarization prepared by the Weather Bureau gives the effect of weather conditions on the crop of 1919:

As a result of frequent rains in much of the cotton belt during March, 1919, particularly in the central districts, the preparation of the soil and planting of cotton were delayed, and at the close of the month this work was from one to two weeks behind the average season.

The rainfall during April was moderate to light, as a rule, which favored farm work, but the cool weather during much of the month was unfavorable for germination and growth of young cotton in most localities, while frost on the 26th and 27th damaged the early crop in the Carolinas.

Frequent rains and persistently cool weather during May continued to unfavorably affect cotton in most sections of the belt, especially in the central and western portions, and the crop made unsatisfactory progress generally, except its advance was fairly good in the more eastern states, where temperatures were more seasonable and rainfall was mostly moderate. At the close of May cotton was in very poor condition in much of the western portions of the belt, particularly in Oklahoma and Arkansas, although it was only slightly below the average condition in Texas, Louisiana, and Mississippi. It was somewhat above the average in the eastern portion of the belt.

The weather continued too cool and rainy for cotton during June, especially in the western portion of the belt, although much of the month was fairly favorable in the more eastern and northern districts. In the Southeast and in the west Gulf region the total rainfall for June reached from 8 to 12 inches or more in many localities. As a result of this unfavorable weather there was a rather marked deterioration in the con-



dition of cotton during the month in the southern portions of the belt, but only a slight deterioration to some improvement in the northern districts. There was little change in the condition of cotton during June in the Carolinas and a slight improvement in Oklahoma, but elsewhere there was a rather marked falling off, especially in Texas, the lower Mississippi Valley, and in the southeastern portion of the belt.

The weather during July was more favorable in the western districts, where, under the influence of seasonable temperatures and less rainfall, cotton made fairly good progress, and its condition was materially improved in many localities, but it continued poor in eastern Texas, where weevil were very active. In most eastern sections of the belt sunshine was inadequate during July and there was too much rain, which unfavorably affected the development, and cotton made little or no improvement. There was too rank growth of stalk at the expense of fruit in many localities, and weevil did serious damage, particularly in those sections where rainfall had been very heavy. The weather was unusually favorable for insect activities.

Moderate temperatures prevailed throughout August, and rainfall, on the whole, was mostly moderate, except in the East Gulf and South Atlantic states, where it was rather heavy. Cotton made fairly satisfactory advance during the month in most sections of the belt, except that it was generally poor in the Southeast and Northeastern states. The condition of the crop at the close of August, however, continued unsatisfactory, except that it was fairly good in most of Oklahoma, in western Texas, much of Arkansas, and in Tennessee, as well as in some local areas in other states. The condition was especially poor in most of Georgia and Alabama and in Florida, and insects continued active and damaging in many sections.

The rainfall during the first half of September was light throughout practically the whole of the cotton belt, except that it was heavy in southern Texas toward the middle of the month, when a tropical storm visited that section and high winds and heavy rains did great damage to unpicked cotton. Heavy rainfall continued in much of Texas during the greater part of the week ending September 23 also, but elsewhere very little rain fell during the latter half of the month, and temperatures continued mostly seasonable. Cotton made good progress during this month in Oklahoma, western and northwestern Texas, and fairly satisfactory advance in Tennessee and much of Arkansas. It deteriorated in eastern Texas, however, as a result of wet soil and insect pests, and there was a sharp decline in condition at the end of the month in Louisiana and some deterioration in Mississippi. Progress was fairly good in much of the Carolinas, but poor, on the whole, in Alabama, Georgia, and Florida. The bolls opened rapidly during the month, and picking made satisfactory progress in most sections.

The weather during October was decidedly unfavorable for cotton in most of the belt, especially in the area west of the Mississippi River. Picking was delayed by persistent cloudy and rainy weather, and considerable damage resulted by bolls decaying, seed sprouting, and discoloration of open cotton. The late crop showed some improvement in the northeastern portion of the belt, however, where the weather was not so unfavorable.

Rainy weather continued during the first part of November in the western portion of the belt, but thereafter dry weather prevailed in this area and good progress was made in late harvesting of cotton. Killing frost extended well into the interior of the Gulf states about the middle of November, which was considerably later than the average date of the first killing frost in that area, but, notwithstanding, considerable damage to cotton resulted in some districts, particularly in Oklahoma and South Carolina. At the close of November considerable cotton remained to be picked in Arkansas, northern and northwestern Texas, and in Oklahoma, but in other sections of the belt the crop had been nearly all harvested to that date.

#### COTTON INSECT PESTS.

The cotton crop of 1919 was not affected as seriously by the boll weevil as in prior years, except in the southern portion of the cotton belt. In the sections recently infested by this pest there was a heavy reduction in the production of cotton. Measures for the control of the pink bollworm received much attention during last year. Quarantines in certain sections and regulations in others were established to prevent the spread of the pink bollworm. The following statement relative to cotton insect pests in 1919 was prepared by the Bureau of Entomology of the Department of Agriculture:

Boll-weevil injury during 1919 was decidedly variable in its intensity, but in the country as a whole was comparatively light.

The spring emergence of hibernated weevil was generally about normal, and consequently the degree of damage depended almost entirely upon local weather condi-



tions. Severe injury was experienced along the majority of the Gulf coast territory, but did not extend beyond the central portions of the Gulf States, except in such situations as the Mississippi River Valley. On the whole, probably the heaviest damage experienced was in southern and central Georgia.

The cotton leaf worm, which appeared fairly early in southern Texas, scattered northward early enough to cause some damage in other localities, especially in Mississippi and Louisiana.

The situation as regards the pink bollworm during 1919 was of considerable interest. The work of attempting to stamp out this serious pest of cotton consisted of the maintaining of three noncotton zones and two restricted zones in Texas. In the fall infestation appeared in the restricted zone in southeastern Texas. The insect was very much less abundant than in 1917, showing that the clean-up work of that year and the noncotton zone of 1918 had operated toward the extermination of the insect. Nevertheless, it became evident that a noncotton zone of at least two years would be required to eliminate the infestation.

In the Hearne area in the central part of the state, where infestation was first found in 1917, a noncotton zone which has been maintained for three years, along with annual clean-up operations, has prevented the reappearance of the pest. This experience tends to show that the plan of eradication which the Department of Agriculture urges is perfectly feasible.

Late in the season a fresh infestation was found in Cameron Parish, in the southwestern corner of Louisiana. This infestation was apparently of several years' standing. The most serious feature of this discovery was the fact that considerable quantities of seed had been shipped to several points in Louisiana. The state of Louisiana immediately established a noncotton zone to cover the infested territory and also regulated zones about each of the points which had received seed from that territory. In these regulated zones precautions will be taken to eliminate the spread of the pest by the local handling of the seed and the export of the lint to countries which do not produce cotton.

The general situation as regards the pink bollworm, therefore, became more serious with the finding of additional infestation and the possibility that others may have been established through the shipment of seed from southwestern Louisiana. However, the apparent success of the attempt at eradication at Hearne and the prompt action taken by the state of Louisiana are indications that it is still possible to prevent the establishment of this serious pest in the United States.

#### COTTON REMAINING TO BE GINNED.

The special agents who are regularly employed by the bureau to collect statistics of production, consumption, and stocks of cotton were required at the March, or final canvass of the ginner, to obtain an estimate from each ginner of the number of bales of cotton remaining to be ginned. These amounts, which are included in the total production for the crop year, are shown separately, by states, in Table 5 for the crops of 1915 to 1919, inclusive.

TABLE 5.—ESTIMATED COTTON REMAINING TO BE GINNED AFTER THE MARCH CANVASS, BY STATES: 1915 TO 1919.

STATE.	COTTON TO BE GINNED AFTER THE MARCH CANVASS (RUNNING BALES, COUNTING ROUND AS HALF BALES).				
	Cotton, crop of—				
	1919	1918	1917	1916	1915
United States.....	174,629	177,121	158,493	38,039	39,623
Alabama.....	3,508	3,315	6,812	951	841
Arkansas.....	15,691	20,022	27,950	6,366	4,547
Florida.....	14	452	27	4	2
Georgia.....	4,880	21,136	20,169	4,179	1,077
Louisiana.....	672	8,960	1,988	108	115
Mississippi.....	34,931	44,941	21,029	5,177	4,429
North Carolina.....	8,666	23,446	19,894	7,918	3,101
Oklahoma.....	24,166	1,895	8,563	307	9,249
South Carolina.....	6,526	26,513	22,490	4,496	1,509
Tennessee.....	6,649	4,674	11,777	2,646	1,361
Texas.....	66,554	15,102	5,990	1,469	11,711
All other states.....	2,372	6,665	11,804	4,418	1,681



The quantity of cotton from the crop of 1919, which the ginner stated would be ginned after the date of the March canvass, was 174,629 bales. With the exception of 1918 this is the largest amount returned for any year shown in the table. In some localities considerable quantities of cotton were returned as remaining to be ginned after the March canvass, several counties showing in excess of 5,000 bales. Obviously where such conditions obtained it was impossible for the ginner to do more than approximate the actual figures. Because of this fact an additional canvass was made in May in some 80 counties showing the larger estimates. This recanvass resulted in increasing the totals of cotton ginned by more than 50,000 bales.

## COTTON GINNED TO SPECIFIED DATES.

The collection of statistics of cotton ginned to specified dates was designed to place in the possession of all concerned reliable data as to the rapidity with which the cotton crop is being harvested and ginned. Statistics compiled by this method have, after a series of years, an incidental but very considerable value by reason of the deductions made possible by a careful comparison of current reports with those of previous years. The collection of data of this character was inaugurated in 1902. Three reports were made for that crop, 6 each for the crops of 1903 and 1904, and 10 for each crop since. Table 6 shows the quantity of cotton ginned to specified dates from the crops of 1902 to 1919, inclusive, and the percentage of the crop ginned to each report date. As it is not practicable before the close of the season to express in equivalent 500-pound bales statistics of the quantity of cotton ginned, the amounts in Table 6 are given in running bales, counting round as half bales and excluding linters, and the total amounts for the season, as thus obtained, are used as the basis for the percentages shown in the table.

The quantity of cotton ginned from the crop of 1918 prior to September 1 was only 142,625 bales, or 1.3 per cent of the total. This compares with 1,038,078 bales for the crop of 1918. It was the latest crop, with one exception (1903), since the inauguration of the periodical reports by the bureau. Less than one-sixth of the total crop was ginned prior to September 25, about two-thirds prior to November 14, while nearly four-fifths had been ginned by December 1.

DIAGRAM 2.—GINNINGS TO SPECIFIED DATES: 1905 TO 1919.

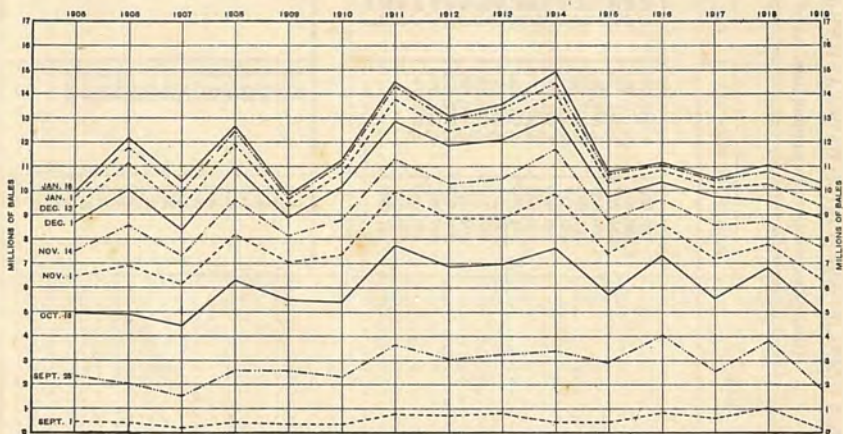




TABLE 6.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, AND PERCENT OF TOTAL GINNED TO EACH DATE: 1902 TO 1919.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

GROWTH YEAR.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
	QUANTITY (BALES).									
1919.	142,625	1,835,214	4,929,104	6,305,054	7,604,320	8,844,368	9,396,646	10,008,920	10,307,120	11,325,532
1918.	1,038,078	3,770,611	6,811,351	7,777,159	8,706,420	9,571,414	10,081,139	10,773,863	11,048,652	11,906,480
1917.	614,787	2,511,658	5,573,606	7,185,178	8,571,115	9,713,529	10,131,594	10,434,852	10,570,733	11,248,242
1916.	850,668	4,081,989	7,303,183	8,623,893	9,615,063	10,352,031	10,838,799	11,039,491	11,137,712	11,363,915
1915.	463,883	2,903,829	5,708,730	7,378,886	8,771,275	9,703,612	10,306,309	10,636,778	10,751,990	11,068,173
1914.	480,317	3,393,752	7,619,747	9,826,912	11,668,240	13,073,386	13,972,229	14,443,146	14,915,850	15,905,840
1913.	799,099	3,246,655	6,973,518	8,830,396	10,444,529	12,088,412	12,927,428	13,347,721	13,582,036	13,982,811
1912.	730,884	3,007,271	6,874,206	8,869,222	10,299,646	11,854,541	12,439,036	12,907,405	13,088,930	13,488,539
1911.	771,297	3,076,594	7,758,621	9,970,905	11,313,236	12,816,807	13,770,727	14,317,002	14,515,799	15,553,073
1910.	353,011	2,312,074	5,423,628	7,345,953	8,780,433	10,139,712	10,695,443	11,084,515	11,253,147	11,568,334
1909.	388,242	2,508,150	5,530,967	7,017,849	8,112,199	8,876,886	9,358,085	9,647,327	9,787,592	10,072,731
1908.	402,229	2,590,639	6,296,166	8,191,557	9,595,809	11,008,661	11,904,269	12,465,298	12,666,203	13,086,005
1907.	200,278	1,532,602	4,420,258	6,128,562	7,300,665	8,343,396	9,284,070	9,951,505	10,339,551	11,057,822
1906.	407,551	2,057,283	4,931,621	6,906,395	8,562,242	10,027,868	11,112,789	11,741,039	12,176,199	12,983,201
1905.	476,655	2,355,716	4,990,566	6,457,595	7,501,180	8,689,663	9,297,819	9,725,426	9,989,634	10,495,105
1904.	374,821	.....	6,417,894	.....	9,786,646	.....	11,971,477	.....	12,767,600	13,451,337
1903.	17,302	.....	3,706,248	.....	6,815,162	.....	8,526,244	.....	9,485,537	9,819,969
1902.	.....	.....	5,683,006	.....	.....	.....	8,905,505	.....	.....	10,588,250
PER CENT OF TOTAL.										
1919.	1.3	16.2	43.5	55.7	67.1	78.1	83.0	88.4	91.0	100.0
1918.	8.7	31.7	57.2	65.3	73.1	80.4	86.3	90.5	92.8	100.0
1917.	5.5	22.3	49.6	63.9	76.2	86.4	90.1	92.8	94.0	100.0
1916.	7.5	35.9	64.3	75.9	84.6	91.1	95.4	97.1	98.0	100.0
1915.	4.2	26.2	51.6	66.7	79.2	87.7	93.1	96.1	97.1	100.0
1914.	3.0	21.3	47.9	61.8	73.4	82.2	87.8	90.8	93.8	100.0
1913.	5.7	23.2	49.9	63.2	74.7	86.5	92.5	95.5	97.1	100.0
1912.	5.4	22.3	51.0	65.8	76.4	87.9	92.2	95.7	97.0	100.0
1911.	5.0	23.6	49.9	64.1	72.7	82.4	88.5	92.1	93.3	100.0
1910.	3.1	20.0	46.9	63.5	75.9	87.7	92.5	95.8	97.3	100.0
1909.	3.9	25.5	54.9	69.7	80.5	88.1	92.9	95.8	97.2	100.0
1908.	3.1	19.8	48.1	62.6	73.3	84.1	91.0	95.3	96.8	100.0
1907.	1.8	13.9	40.0	55.4	66.0	75.5	84.0	90.0	93.5	100.0
1906.	3.1	15.8	38.0	53.2	65.9	77.2	85.6	90.4	93.8	100.0
1905.	4.5	22.4	47.6	61.5	71.5	82.8	88.6	92.7	95.2	100.0
1904.	2.8	.....	47.7	.....	72.8	.....	89.0	.....	94.9	100.0
1903.	0.2	.....	37.7	.....	69.4	.....	86.8	.....	96.6	100.0
1902.	.....	.....	53.7	.....	.....	.....	84.1	.....	.....	100.0



Data as to cotton put up in round bales to specified dates are given in the following tabular statement for the crops of 1912 to 1919:

NUMBER OF ROUND BALES INCLUDED IN REPORTS OF COTTON GINNED TO SPECIFIED DATES: 1912 TO 1919.

DATE.	ROUND BALES GINNED TO SPECIFIED DATES: CROP OF—							
	1919	1918	1917	1916	1915	1914	1913	1912
Sept. 1.....	1, 118	53, 178	23, 716	31, 335	8, 947	356	7, 610	7, 434
Sept. 25.....	19, 561	88, 250	60, 510	84, 855	32, 412	3, 394	26, 983	19, 574
Oct. 18.....	55, 555	111, 605	108, 298	136, 880	54, 783	15, 235	49, 030	41, 745
Nov. 1.....	70, 423	120, 181	132, 907	154, 141	68, 577	23, 182	61, 577	54, 539
Nov. 14.....	84, 241	127, 034	157, 719	168, 575	82, 312	31, 904	74, 167	62, 768
Dec. 1.....	99, 668	132, 662	175, 672	177, 662	93, 361	39, 682	86, 878	73, 030
Dec. 13.....	103, 662	139, 984	179, 966	184, 285	100, 925	42, 796	91, 686	75, 772
Jan. 1.....	109, 356	145, 618	184, 104	188, 052	105, 785	44, 904	94, 265	77, 999
Jan. 16.....	111, 873	149, 887	186, 014	189, 004	106, 908	50, 942	96, 807	78, 690
Total.....	114, 305	154, 204	189, 076	192, 339	111, 716	57, 618	99, 962	81, 528

*Ginning to specified dates, by states and counties.*—The quantity of cotton ginned to given dates from the crops of 1916 to 1919, inclusive, and the percentage of the crop ginned to each of the report dates are shown, by states, in Tables 7 and 8. Considerable differences exist among the several states in the proportion of the total amount ginned to the specified dates.

The quantity of cotton from the crop of 1919 ginned to each of the report dates is given, by counties, in Table 56 (pp. 115 to 127). This table permits a close study of the rapidity with which cotton is ginned in various localities and enables the making of analyses which are both interesting and valuable. An examination of the table shows that in a number of counties in southern Texas a large part of the crop is harvested and ginned prior to September 1 and that by September 25 about 75 per cent of the crop is ginned, a few of the counties in the extreme southern part practically completing the cotton harvest by November 1.



TABLE 7.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY STATES: 1916 TO 1919.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

STATE.	Growth year.	COTTON GINNED TO—									Total ginned.
		Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
United States.....	1919	142,625	1,835,214	4,929,104	6,305,054	7,604,320	8,844,368	9,396,646	10,008,920	10,307,120	11,325,532
	1918	1,038,078	3,770,611	6,811,351	7,777,159	8,706,420	9,571,414	10,281,139	10,773,863	11,048,652	11,906,480
	1917	614,787	2,511,658	5,573,006	7,185,178	8,571,115	9,713,529	10,131,594	10,434,852	10,570,733	11,248,242
	1916	850,668	4,081,989	7,303,183	8,623,893	9,615,003	10,352,031	10,838,799	11,039,491	11,137,712	11,363,915
Alabama.....	1919	5,549	138,701	383,458	491,285	572,551	632,287	658,465	680,265	692,514	716,655
	1918	35,481	259,676	492,047	554,022	621,543	682,534	726,327	750,985	763,470	789,265
	1917	18,570	96,936	225,668	305,299	378,677	442,988	464,693	482,695	488,284	520,906
	1916	22,375	137,478	292,808	379,745	451,507	504,998	531,885	540,661	544,023	552,679
Arizona.....	1919	79	3,588	14,010	21,665	28,821	35,415	40,811	47,202	50,233	58,472
	1918	.....	1,204	6,082	9,565	13,226	18,845	23,011	29,519	35,713	54,215
	1917	.....	35	1,421	4,564	5,873	9,430	11,433	14,651	16,43	21,140
Arkansas.....	1919	29	63,550	277,836	359,960	480,360	605,789	655,942	716,366	752,435	867,177
	1918	8,819	198,679	448,544	532,384	631,088	721,431	801,373	849,150	869,634	957,118
	1917	134	47,065	347,149	505,399	664,096	789,471	827,573	858,321	868,109	953,587
	1916	15,650	300,984	673,366	814,290	926,985	999,654	1,044,651	1,060,569	1,068,966	1,102,671
California.....	1919	541	5,345	13,300	19,220	24,537	28,426	33,907	41,154	44,599	59,082
	1918	1,074	4,571	10,241	18,404	24,973	32,276	37,792	46,757	55,440	71,479
	1917	103	1,525	6,119	11,704	17,394	25,225	30,453	37,265	41,670	58,974
	1916	443	2,989	6,852	11,283	14,707	19,868	23,671	28,237	31,725	43,664
Florida.....	1919	1,123	5,154	10,794	13,047	14,900	15,779	16,763	17,027	17,110	17,317
	1918	1,347	6,658	12,148	15,964	19,169	21,465	24,151	26,688	28,956	34,951
	1917	3,087	13,767	27,492	34,225	39,906	43,423	45,268	46,408	47,167	48,178
	1916	2,881	16,368	32,167	38,965	43,749	46,989	49,349	50,254	50,632	50,979
Georgia.....	1919	77,573	539,796	1,109,878	1,312,876	1,453,692	1,556,137	1,608,024	1,636,692	1,648,968	1,678,758
	1918	117,515	626,527	1,278,896	1,469,773	1,626,542	1,765,950	1,873,552	1,952,787	1,994,038	2,117,860
	1917	146,630	582,118	1,044,480	1,295,218	1,480,631	1,643,930	1,719,653	1,768,315	1,781,738	1,885,054
	1916	212,787	746,607	1,217,903	1,435,524	1,581,897	1,692,049	1,780,310	1,810,934	1,825,410	1,852,104
Louisiana.....	1919	561	52,032	144,810	189,584	228,965	260,451	279,370	290,190	294,542	303,035
	1918	32,682	176,862	320,150	360,402	420,617	461,130	497,786	524,341	540,373	582,698
	1917	15,657	153,822	352,121	432,258	495,076	559,021	580,094	600,349	607,934	629,719
	1916	29,762	178,634	319,698	365,316	394,646	418,795	431,664	435,437	436,377	441,121
Mississippi.....	1919	502	121,125	405,674	534,523	636,459	724,514	779,604	822,025	844,587	950,907
	1918	33,911	289,906	591,657	689,343	788,680	893,757	987,332	1,049,859	1,070,669	1,193,122
	1917	5,832	114,261	375,106	500,333	620,100	728,859	773,824	809,099	818,016	886,269
	1916	10,260	197,395	448,504	562,810	651,488	723,426	761,682	775,452	780,442	800,190



Missouri.....	1919	.....	1,820	14,623	20,014	28,931	39,980	43,999	48,282	53,488	62,667
	1918	13	4,484	19,967	25,282	33,522	40,677	47,039	51,045	53,049	59,797
	1917	.....	225	10,608	19,774	30,187	38,533	41,414	44,749	46,146	58,937
	1916	.....	8,999	29,426	40,025	47,075	51,080	54,273	55,277	57,040	60,466
North Carolina.....	1919	997	80,782	354,261	495,683	602,384	694,640	755,525	787,165	811,353	857,253
	1918	1,851	78,709	297,910	415,343	527,435	648,921	717,405	768,948	810,486	919,338
	1917	72	27,827	151,160	278,013	378,214	482,521	521,589	543,782	561,356	656,656
	1916	289	49,136	251,764	381,237	479,243	567,009	619,079	642,816	658,057	693,672
Oklahoma.....	1919	107	82,953	273,153	368,041	497,022	635,378	681,645	787,114	833,847	1,002,178
	1918	19,212	155,601	349,946	389,905	435,144	474,747	520,401	541,750	552,933	585,149
	1917	91	47,962	341,804	529,226	700,636	817,795	857,561	888,117	909,142	955,342
	1916	7,852	219,157	490,608	503,236	681,873	741,358	782,065	798,761	806,443	813,419
South Carolina.....	1919	16,199	330,971	840,587	1,052,528	1,185,021	1,298,080	1,366,024	1,400,337	1,419,524	1,462,277
	1918	34,186	351,926	794,729	974,036	1,102,771	1,241,656	1,328,925	1,395,765	1,440,956	1,581,726
	1917	17,891	234,504	582,361	784,078	923,175	1,055,676	1,110,327	1,145,620	1,162,121	1,267,135
	1916	26,782	259,543	508,635	639,846	740,694	832,060	893,896	922,152	936,673	970,702
Tennessee.....	1919	1	7,134	80,609	113,989	156,063	197,094	219,661	240,676	256,258	301,408
	1918	224	45,185	130,922	152,129	190,734	223,944	256,554	282,045	290,663	317,962
	1917	.....	85	39,596	82,148	126,395	170,009	187,482	200,427	203,324	238,806
	1916	120	55,517	171,968	228,463	276,598	318,468	348,329	357,029	362,789	378,064
Texas.....	1919	39,364	401,998	999,191	1,300,462	1,677,618	2,099,752	2,233,523	2,469,373	2,562,052	2,960,335
	1918	751,763	1,570,222	2,054,250	2,162,292	2,258,349	2,325,701	2,417,375	2,479,472	2,516,322	2,610,337
	1917	406,720	1,191,525	2,066,004	2,396,826	2,698,838	2,889,697	2,941,007	2,975,001	2,998,681	3,041,726
	1916	521,467	1,907,183	2,845,705	3,112,859	3,298,186	3,405,182	3,482,509	3,523,905	3,540,757	3,562,789
Virginia.....	1919	.....	155	5,979	10,772	14,574	17,332	19,653	21,050	21,413	23,076
	1918	.....	28	2,659	6,391	10,468	15,112	18,297	20,171	21,180	25,235
	1917	.....	1	1,368	4,210	9,081	13,638	15,690	16,265	16,664	20,155
	1916	.....	1,106	10,123	15,311	19,973	23,221	25,333	26,192	26,601	27,975
All other states <sup>1</sup> .....	1919	.....	110	941	1,405	2,422	3,314	3,730	4,002	4,197	4,935
	1918	.....	373	1,203	1,924	2,159	3,268	3,819	4,581	4,770	6,228
	1917	.....	.....	1,149	1,903	2,836	3,313	3,533	3,788	3,968	5,658
	1916	.....	893	3,656	4,983	6,382	7,876	10,073	11,365	11,777	13,420

<sup>1</sup> Includes Kentucky and New Mexico and Arizona for 1916.



TABLE 8.—PER CENT OF THE TOTAL COTTON GINNED TO SPECIFIED DATES, BY STATES: 1916 TO 1919.

[Based on figures given in Table 7.]

STATE.	Growth year.	PER CENT OF TOTAL COTTON GINNED TO—								
		Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.
United States..	1919	1.3	16.2	43.5	55.7	67.1	78.1	83.0	88.4	91.0
	1918	8.7	31.7	57.2	65.3	73.1	80.4	86.3	90.5	92.8
	1917	5.5	22.3	49.6	63.9	76.2	86.4	90.1	92.8	94.0
	1916	7.5	35.9	64.3	75.9	84.6	91.1	95.4	97.1	98.0
Alabama.....	1919	0.8	19.4	53.5	68.6	79.9	88.2	91.9	94.9	96.6
	1918	4.5	32.9	62.3	70.2	78.7	86.5	92.0	95.1	96.7
	1917	3.6	18.6	43.3	58.6	72.7	85.0	89.2	92.7	93.7
	1916	4.0	24.9	53.0	68.7	81.7	91.4	96.2	97.8	98.4
Arizona.....	1919	0.1	6.1	24.0	37.1	49.3	60.6	69.8	80.7	85.9
	1918	2.2	11.2	24.4	34.8	42.4	54.4	65.9	77.6	85.9
	1917	0.2	6.7	21.6	27.8	44.6	54.1	69.3	77.6	85.9
Arkansas.....	1919	(1)	7.3	32.0	41.5	55.4	69.9	75.6	82.6	86.8
	1918	0.9	20.8	46.9	55.6	65.9	75.4	83.7	88.7	90.9
	1917	(1)	4.9	36.4	53.0	69.6	82.8	86.8	90.0	91.0
	1916	1.4	27.3	61.1	73.8	84.1	90.7	94.7	96.2	96.9
California.....	1919	0.9	9.0	22.5	32.5	41.5	48.1	57.4	69.7	75.5
	1918	1.5	6.4	14.3	25.7	34.9	45.2	52.9	65.4	77.6
	1917	0.2	2.6	10.4	19.8	29.5	42.8	51.6	63.2	70.7
	1916	1.0	6.8	15.7	25.8	33.7	45.5	54.2	64.7	72.7
Florida.....	1919	6.5	29.8	62.3	75.3	86.0	91.1	96.8	98.3	98.8
	1918	3.9	19.0	34.8	45.7	54.8	61.4	69.1	76.4	82.8
	1917	6.4	28.6	57.1	71.0	82.8	90.1	94.0	96.3	97.9
	1916	5.7	32.1	63.1	76.4	85.8	92.2	96.8	98.6	99.3
Georgia.....	1919	4.6	32.2	66.1	78.2	86.6	92.7	95.8	97.5	98.2
	1918	5.5	29.6	60.4	69.4	76.8	83.4	88.5	92.2	94.2
	1917	7.8	30.9	55.4	68.7	78.5	87.2	91.2	93.8	94.5
	1916	11.5	40.3	65.8	77.5	85.4	91.4	96.1	97.8	98.6
Louisiana.....	1919	0.2	17.2	47.8	62.6	75.6	85.9	92.2	95.8	97.2
	1918	5.6	30.4	54.9	61.9	72.2	79.1	85.4	90.0	92.7
	1917	2.5	24.4	55.9	68.6	78.6	88.8	92.1	95.3	96.5
	1916	6.7	40.5	72.5	82.8	89.5	94.9	97.9	98.7	98.9
Mississippi.....	1919	(1)	12.7	42.7	56.2	66.9	76.2	82.0	86.4	88.8
	1918	2.8	24.3	49.6	57.8	66.1	74.9	82.8	88.0	89.7
	1917	0.7	12.9	42.3	56.5	70.0	82.2	87.3	91.3	92.3
	1916	1.3	24.7	56.0	70.3	81.4	90.4	95.2	96.9	97.5
Missouri.....	1919	2.9	23.3	31.9	46.2	63.8	70.2	77.0	85.4	88.7
	1918	(1)	7.5	33.4	42.3	56.1	68.0	78.7	85.4	88.7
	1917	0.4	18.0	33.6	51.2	65.4	70.3	75.9	78.3	78.3
	1916	14.9	48.7	66.2	77.9	84.5	89.8	92.2	94.3	94.3
North Carolina.....	1919	0.1	9.4	41.3	57.8	70.3	81.0	88.1	91.8	94.6
	1918	0.2	8.6	32.4	45.2	57.4	70.6	78.0	83.6	88.2
	1917	(1)	4.2	23.0	42.3	57.6	73.5	79.4	82.8	85.3
	1916	(1)	7.1	36.3	55.0	69.1	81.7	89.2	92.7	94.9
Oklahoma.....	1919	(1)	8.3	27.3	36.7	49.6	63.4	68.0	78.5	83.2
	1918	3.3	26.6	59.8	66.6	74.4	81.1	88.9	92.6	94.5
	1917	(1)	5.0	35.8	55.4	73.3	85.6	89.8	93.0	95.2
	1916	1.0	26.9	60.3	72.9	83.8	91.1	96.1	98.2	99.1
South Carolina.....	1919	1.1	22.6	57.5	72.0	81.0	88.8	93.4	95.8	97.1
	1918	2.2	22.2	50.2	61.6	69.7	78.5	84.0	88.2	91.1
	1917	1.4	18.5	46.0	61.9	72.9	83.3	87.6	90.4	91.7
	1916	2.8	26.7	52.4	65.9	76.3	85.7	92.1	95.0	96.5
Tennessee.....	1919	(1)	2.4	26.7	37.8	51.8	65.4	72.9	79.8	85.0
	1918	(1)	14.2	41.2	47.8	60.0	70.4	80.7	88.7	91.4
	1917	(1)	16.6	34.4	52.9	71.2	78.5	83.9	85.1	85.1
	1916	(1)	14.7	45.5	60.4	73.2	84.2	92.1	94.4	96.0
Texas.....	1919	1.3	13.6	33.8	43.9	56.7	70.9	75.4	83.4	86.5
	1918	28.8	60.2	78.7	82.8	86.5	89.1	92.6	95.0	96.4
	1917	13.4	39.2	67.9	78.8	88.7	95.0	96.7	97.8	98.6
	1916	14.6	53.5	79.9	87.4	92.6	95.6	97.7	98.9	99.4
Virginia.....	1919	0.7	25.9	46.7	63.2	75.1	85.2	91.2	92.8	92.8
	1918	0.1	10.5	25.3	41.5	59.9	72.5	79.9	83.9	87.7
	1917	(1)	6.8	20.9	45.1	67.7	77.8	80.7	82.7	82.7
	1916	4.0	36.2	54.7	71.4	83.0	90.6	93.6	95.1	95.1
All other states <sup>2</sup> .....	1919	2.2	19.1	28.5	49.1	67.2	75.6	81.1	85.0	85.0
	1918	6.0	19.3	30.9	34.7	52.5	61.3	73.6	76.6	76.6
	1917	20.3	33.6	50.1	58.6	62.4	66.9	70.1	70.1	70.1
	1916	6.7	27.2	37.1	47.6	58.7	75.1	84.7	87.8	87.8

<sup>1</sup> Less than one-tenth of 1 per cent.    <sup>2</sup> Includes Kentucky and New Mexico, and Arizona for 1916.



An analysis of the periodical statistics of cotton ginned, as shown in Table 7, is presented in Table 9, which gives the number of bales of cotton ginned during each of the report periods, together with the corresponding percentages for the crops of 1915 to 1919, inclusive.

TABLE 9.—QUANTITY OF COTTON AND PERCENTAGE OF THE TOTAL GINNED DURING EACH PERIOD BETWEEN REPORT DATES: CROPS OF 1915 TO 1919.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

PERIOD.	1919		1918		1917		1916		1915	
	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.
Total.....	11,325,532	100.0	11,906,480	100.0	11,248,242	100.0	11,363,915	100.0	11,068,173	100.0
Prior to Sept. 1...	142,625	1.3	1,038,078	8.7	614,787	5.5	850,668	7.5	463,883	4.2
Sept. 1 to Sept. 25...	1,602,589	14.9	2,732,533	23.0	1,896,871	16.9	3,231,321	28.4	2,439,946	22.0
Sept. 25 to Oct. 18...	3,093,890	27.3	3,040,740	25.5	3,061,948	27.2	3,221,194	28.3	2,804,901	25.4
Oct. 18 to Nov. 1...	1,375,950	12.2	965,808	8.1	1,611,572	14.3	1,320,710	11.6	1,670,156	15.1
Nov. 1 to Nov. 14...	1,299,266	11.4	929,261	7.8	1,385,937	12.3	991,110	8.7	1,392,389	12.6
Nov. 14 to Dec. 1...	1,240,048	11.0	864,994	7.3	1,142,414	10.2	737,028	6.5	932,337	8.4
Dec. 1 to Dec. 13...	552,278	4.9	709,725	6.0	418,065	3.7	486,768	4.3	602,697	5.4
Dec. 13 to Jan. 1...	612,274	5.4	492,724	4.1	303,258	2.7	200,692	1.8	330,469	3.0
Jan. 1 to Jan. 16...	298,200	2.6	274,789	2.3	135,881	1.2	98,221	.9	115,212	1.0
After Jan. 15.....	1,018,412	9.0	857,828	7.2	677,509	6.0	226,203	2.0	316,183	2.9

Because of the extraordinary high temperatures thus prematurely opening some of the cotton, together with the prevailing high prices of the staple, the harvesting of the crop of 1918 was one of the earliest and most rapid on record. On the contrary, the crop of 1919 was one of the latest. The quantity ginned from September 1 to September 25 formed only 14.9 per cent, compared with 23 per cent for the crop of 1918. Of the more important ginning periods, that of September 25 to October 18 is most nearly uniform in its showing of percentages of the total crop for the five years covered by the table. Variations in the proportions of the quantity ginned during earlier or later periods are affected in greater degree by the size of the crop and its early or late maturity. The proportion ginned during any period is obviously affected by the weather.

#### AVERAGE WEIGHT OF BALES.

In order to credit each state and county with its proper proportion of the crop and provide figures which will more nearly express the actual size of the crop, making the reports of each year comparable with those for all other years, it is necessary to convert the running bales, which vary more or less according to locality, market price of cotton, and weather and crop conditions, into bales of uniform weight. To this end the bureau requires its canvassing agents to secure bale weights from local weighers, merchants, and other handlers of cotton, who, because of calculations involving money, naturally insist upon careful and accurate weights. The statistics in Table 10 have been compiled from these data and should constitute a very reliable record. This table shows, by states, for the crops of 1916 to 1919, the average gross weight of upland square, upland round, sea-island, and linter bales, and the number of square bales for which weights were returned to the bureau, with their total weight in pounds.



TABLE 10.—AVERAGE GROSS WEIGHT OF THE SEVERAL KINDS OF BALES AND NUMBER AND GROSS WEIGHT OF SQUARE BALES FOR WHICH WEIGHTS WERE RETURNED, BY STATES: 1916 TO 1919.

STATE.	Growth year.	AVERAGE GROSS WEIGHT OF BALE (POUNDS).					SQUARE BALES FOR WHICH WEIGHTS WERE RETURNED.	
		Cotton.						
		Counting round as half bales.	Upland.		Sea-island.	Linters.	Number.	Gross weight (pounds).
			Square.	Round.				
United States .....	1919	504.2	504.2	255.0	362.1	510.8	6,125,210	3,071,648,064
	1918	505.6	506.0	257.2	391.7	510.6	5,859,561	2,964,778,993
	1917	502.4	503.4	248.7	388.6	513.4	5,906,710	2,974,539,418
	1916	503.8	504.9	254.3	395.6	511.7	6,667,631	3,358,241,662
Alabama.....	1919	497.6	497.6	.....	.....	509.5	469,075	231,912,117
	1918	507.2	507.2	.....	.....	494.9	448,910	227,092,335
	1917	497.1	497.1	.....	.....	485.2	299,326	148,623,327
	1916	482.6	482.6	.....	.....	501.6	364,757	175,081,613
Arkansas.....	1919	510.0	510.0	.....	.....	522.3	481,684	244,550,172
	1918	515.8	515.8	.....	.....	519.1	517,009	265,671,192
	1917	510.6	510.6	250.0	.....	514.0	513,720	262,059,231
	1916	514.2	514.2	263.3	.....	507.7	698,416	358,071,066
Florida.....	1919	459.7	476.0	.....	374.7	(1)	13,491	6,436,544
	1918	420.8	481.0	.....	378.7	(1)	9,815	4,689,352
	1917	392.8	472.1	.....	369.9	(1)	6,390	3,039,665
	1916	406.5	485.0	.....	374.2	(1)	10,695	5,244,934
Georgia.....	1919	494.3	494.3	.....	406.4	496.6	991,332	489,382,710
	1918	501.1	501.9	.....	421.7	504.4	1,018,720	510,603,768
	1917	499.7	502.1	.....	408.2	504.8	1,036,512	519,962,640
	1916	491.6	495.3	.....	407.7	511.1	1,101,668	545,147,453
Louisiana.....	1919	491.2	491.2	247.2	.....	519.3	195,004	95,882,880
	1918	504.3	504.3	.....	.....	523.6	328,885	165,766,705
	1917	507.2	507.2	249.9	.....	513.4	407,924	207,038,030
	1916	502.3	502.3	252.0	.....	503.2	339,933	171,815,675
Mississippi.....	1919	505.2	505.2	.....	.....	515.3	523,310	262,760,863
	1918	513.8	513.8	.....	.....	520.4	558,511	286,465,337
	1917	510.9	510.9	.....	.....	531.1	433,488	220,118,685
	1916	507.3	507.3	.....	.....	509.9	404,793	203,437,422
North Carolina.....	1919	484.3	484.3	.....	.....	498.1	497,631	240,687,397
	1918	488.3	488.3	.....	.....	504.6	396,076	193,562,461
	1917	470.6	470.6	.....	.....	510.3	337,029	158,662,404
	1916	471.8	471.8	.....	.....	509.5	419,618	198,117,381
Oklahoma.....	1919	507.0	507.1	251.3	.....	513.0	493,558	248,216,914
	1918	492.9	492.8	249.3	.....	517.0	328,016	161,216,724
	1917	502.0	502.4	245.7	.....	516.1	552,707	277,615,946
	1916	506.2	506.5	248.6	.....	524.4	495,180	250,552,524
South Carolina.....	1919	487.6	488.0	.....	343.1	497.2	936,405	458,817,900
	1918	496.3	497.2	.....	355.8	484.0	691,386	344,267,733
	1917	488.1	488.8	.....	355.0	498.6	609,239	297,522,436
	1916	480.0	480.5	.....	344.7	510.6	610,729	293,867,366
Tennessee.....	1919	514.3	514.3	.....	.....	537.3	156,708	80,718,092
	1918	518.5	518.5	.....	.....	519.4	172,031	88,638,375
	1917	503.6	503.6	.....	.....	538.4	116,543	58,637,933
	1916	505.8	505.8	.....	.....	530.6	200,051	100,876,265
Texas.....	1919	523.4	523.5	257.7	.....	517.9	1,255,412	656,154,087
	1918	516.5	516.5	259.6	.....	519.0	1,302,780	672,124,888
	1917	513.8	514.0	250.5	.....	516.3	1,557,797	803,023,752
	1916	522.9	523.1	256.5	.....	511.7	1,932,108	1,010,244,595
All other states .....	1919	498.1	492.5	.....	.....	522.4	111,600	56,098,388
	1918	498.2	49.2	.....	.....	505.6	87,422	44,680,123
	1917	500.1	500.1	.....	.....	504.8	36,035	18,235,369
	1916	505.2	505.2	.....	.....	493.9	89,683	45,785,377

1 Included in "All other states."



The number of square bales for which weights were returned to the bureau in 1919 was 6,125,210, more than one-half of the total number ginned during the season. The bale weights were returned in two installments, with the reports of cotton ginned to November 1 and to January 1. Since weights are secured for bales ginned in different periods, the figures are representative of the varying conditions of the season and contribute to the reliability of the averages. Because of the variation throughout the season in the weights of the bales pressed, it is not possible to arrive at a reliable average for the crop before the season's ginning is practically completed. Weights of sea-island and of upland round bales were secured by the agents from the handlers of such cotton and from these data were computed the average weights for round and sea-island bales. The average weights of the linter bales were computed from returns secured from the cottonseed-oil mills.

*Method of computing average bale weights.*—To obtain the average bale weights for a state, the average weights in pounds of the square, the round, and the sea-island bales weighed in each county were first multiplied separately by the numbers of bales of the respective kinds reported as ginned in the county. The several products thus obtained constituted the totals for the county. The county totals for the different kinds of bales were added separately to obtain the corresponding state totals, which were then divided, respectively, by the number of bales of the several kinds ginned in the state to obtain the average weight of each kind of bale. By deducting from the sum of the different kinds of bales one-half of the number of round bales, the divisor for finding the average weight of the bale, counting round as half bales, was obtained. The average bale weight for the crop of 1919, excluding linters, as thus computed, is 504.2 pounds gross weight, as compared with 505.6 pounds for 1918, 502.4 pounds for 1917, and 503.8 pounds for 1916.

The variation in the average weight of bale for upland cotton put up in square packages is pronounced throughout the cotton belt, the averages ranging from less than 465 pounds for a number of counties in North Carolina to more than 545 pounds for certain counties in Arkansas, Louisiana, and Texas. For the states shown separately in the table, and eliminating Florida because of its sea-island production, the range for the crop of 1919 is from 484.3 pounds in North Carolina to 523.4 in Texas. These variations are due to a number of causes, the principal one, no doubt, being the practice of putting in one package the lint obtained from a single load of seed cotton, the quantity in a load depending upon capacity of wagons, character of roads, local customs, price of cotton, etc.

*Disparity between census and export bale weights.*—The average weight of the bales exported during the year ending July 31, 1920, was 512.3 pounds, which is 8.1 pounds greater than the average for the crop of 1919, as computed from the returns of bale weights received by the bureau. This variation may be ascribed to a number of reasons, the two most important, no doubt, being that the states which contribute the larger portion of the export cotton are those which put up the heaviest bales and that export bales are usually made heavier by the addition of patches to the wrapping and extra bands round the bale at the time it is compressed for shipment. The average weight of the bale for the states of Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas, which furnish much the larger part of the export cotton, was 514.3 pounds, while that for the states of Alabama, Georgia, North Carolina, and South Carolina, which contribute most largely to the domestic consumption, was 490.9 pounds.



## PRICES OF COTTON AND COTTONSEED.

The prices of cotton on the exchanges are obviously higher than those received by the growers in so far as they include such charges as freight, compression, and the salaries, commissions, and profits of local and intermediate buyers and dealers. The nearest approximation to the value of the cotton crop to the growers is obtainable by the application of the yearly average prices of cotton and cottonseed prepared by the Bureau of Crop Estimates of the Department of Agriculture. The average for lint cotton is obtained from the average prices to the growers on the first of each month, weighted according to the monthly marketings of cotton. In similar manner the yearly average price of seed is obtained from the average prices at the middle of each month. The average prices of cotton and cottonseed, by states, as thus computed, are shown in Table 11 for the crops of 1915 to 1919, inclusive.

TABLE 11.—AVERAGE PRICE OBTAINED BY PRODUCERS FOR COTTON AND COTTONSEED, BY STATES: 1915 TO 1919.

[Compiled by the Bureau of Crop Estimates, Department of Agriculture.]

STATE.	YEARLY AVERAGE PRICE OBTAINED BY PRODUCERS FOR—									
	Lint cotton per pound, in cents, crop of—					Cottonseed per ton, crop of—				
	1919	1918	1917	1916	1915	1919	1918	1917	1916	1915
United States.....	35.36	28.76	27.12	17.28	11.22	\$67.18	\$65.32	\$66.08	\$50.50	\$33.60
Alabama.....	34.94	28.79	27.43	17.71	11.08	72.85	67.15	69.17	54.56	36.90
Arkansas.....	35.28	28.11	28.02	17.59	11.64	63.30	64.32	65.79	50.26	34.10
Florida.....	36.08	40.74	45.75	24.45	14.81	66.80	66.23	64.19	47.63	31.60
Georgia.....	35.87	29.35	28.02	18.04	11.30	75.08	67.76	69.26	55.66	36.90
Louisiana.....	36.02	28.50	26.36	16.85	10.94	65.57	63.80	63.67	49.45	32.00
Mississippi.....	36.18	28.21	27.69	18.22	11.51	65.80	64.84	66.92	52.18	34.30
Missouri.....	31.62	28.00	27.50	16.93	11.02	72.68	62.70	64.20	52.18	31.20
North Carolina.....	35.44	27.79	27.61	17.36	11.20	74.30	67.36	68.25	53.74	37.00
Oklahoma.....	35.98	27.30	25.85	17.05	11.13	60.02	62.19	61.75	51.82	30.60
South Carolina.....	36.36	29.10	27.33	17.63	11.21	74.98	68.03	69.45	54.98	36.50
Tennessee.....	34.05	27.59	27.47	17.56	11.40	66.73	64.19	66.27	51.59	35.00
Texas.....	34.40	29.48	26.00	16.63	11.02	59.93	62.28	64.24	45.80	29.30

The growers of cotton in the United States as a whole received for the lint produced from the crop of 1919 an average price of 35.36 cents per pound, as compared with 28.76 for the crop of 1918, 27.12 cents for the crop of 1917, 17.28 cents for the crop of 1916, and 7.33 cents for the crop of 1914. For each of the years shown, except 1919, when South Carolina led, with 36.36 cents, the growers of Florida received a much higher average than those of any other state. This is due to the large proportion of sea-island cotton, which in 1918 constituted more than one-half of the total crop. The practical abandonment of this variety of cotton in 1919 on account of the boll weevil lowered the average price for that state. The second highest average, not considering Arizona and California, is shown by Texas for 1918, by Arkansas and Georgia for 1917, by Mississippi for 1916, and by Arkansas for 1915. So many factors enter into the production, the handling, and the marketing of cotton that it is to be expected that the relative market values in different localities should vary among themselves and from year to year. In some states, however, there are constant factors which operate toward a higher or a lower price. For instance, in South Carolina and Georgia a portion of each year's crop is made up of sea-island cotton and the long-staple varieties



of upland. In these states, also, the cost of transportation to the seaboard or the centers of consumption is probably less than in most others, whereas in Oklahoma the haul to ports and mills is longer than in any other state.

It is estimated by the Bureau of Crop Estimates that the average prices paid for "snapped" and "bolly" cotton from the 1919 crop were as follows: Mississippi, 18.5 cents per pound; Texas, 17.4; Arkansas, 18.5; Tennessee, 15.3; Missouri, 16; and Oklahoma, 17.7.

According to the annual report of Mr. Henry G. Hester, secretary of the New Orleans Cotton Exchange, the average grade of the crop of 1919 was "strict low middling" and the average price of middling for the year on that market was 38.21 cents per pound. According to the same source, the average price of middling cotton for the crop of 1918 was 30.36 cents per pound; for 1917, 28.86; for 1916, 18.41; and for 1915, 11.99.

The yearly average price per ton of cottonseed paid to producers in the United States as a whole was \$67.18 for the crop of 1919, \$65.32 for the crop of 1918, \$66.08 for 1917, \$50.50 for 1916, and \$33.60 for 1915. The highest averages in the several states were shown by Georgia for the crops of 1919 and 1916, by South Carolina for the crops of 1918 and 1917, and by North Carolina for the crop of 1915. North Carolina, South Carolina, and Georgia uniformly show high average prices, both because the seed produced in these states yields high percentages of the more valuable products and because there is considerable local demand for cottonseed meal for use in mixing fertilizers.

The cotton specialist of the Bureau of Crop Estimates has estimated that about 57 per cent of the 1919 crop graded middling or better. The percentages for the specified states is as follows: Alabama, 70; Arkansas, 48; Florida, 77; Georgia, 67; Louisiana, 50; Mississippi, 55; Missouri, 58; North Carolina, 73; Oklahoma, 49; South Carolina, 74; Tennessee, 47; Texas, 40; and Virginia, 68.

#### THE VALUE OF THE COTTON CROP.

The gross weight of upland and sea-island cotton and the estimated quantity of cottonseed, together with the estimated values of lint cotton and cottonseed for the crops of 1916 to 1919, are presented, by states, in Table 12. No account is taken of linters in computing the value of the crop, as the value of the cottonseed relates to seed before ginning. The estimated value of linters produced, however, is given in Table 53, page 96.

*Wm. H. Hester*



TABLE 12.—GROSS WEIGHT AND ESTIMATED VALUE OF LINT COTTON AND ESTIMATED QUANTITY AND VALUE OF COTTONSEED, BY STATES: 1916 TO 1919.

STATE.	Growth year.	Aggregate value of cotton crop.	LINT COTTON.					COTTONSEED.	
			Total value.	Gross weight.				Quantity.	Value.
				Total.	Upland.		Sea-island.		
					In square bales.	In round bales.			
United States.....	1919	\$2,371,430,000	\$2,030,960,000	5,710,380,000	5,678,720,000	29,150,000	2,510,000	5,074,000	\$340,470,000
	1918	2,087,200,000	1,737,710,000	6,020,270,000	5,960,160,000	39,660,000	20,450,000	5,360,000	349,490,000
	1917	1,866,240,000	1,532,690,000	5,651,190,000	5,568,180,000	47,020,000	35,990,000	5,040,000	333,550,000
	1916	1,253,130,000	994,060,000	5,724,960,000	5,629,540,000	48,920,000	46,500,000	5,113,000	279,070,000
Alabama.....	1919	147,620,000	124,600,000	356,620,000	356,620,000	.....	.....	316,000	25,020,000
	1918	139,160,000	115,250,000	400,310,000	400,310,000	.....	.....	356,000	23,910,000
	1917	86,940,000	71,030,000	258,950,000	258,950,000	.....	.....	230,000	15,910,000
	1916	60,110,000	47,230,000	266,700,000	266,700,000	.....	.....	236,000	12,880,000
Arizona.....	1919	22,790,000	20,950,000	29,930,000	29,930,000	.....	.....	27,000	1,840,000
	1918	13,550,000	12,230,000	27,800,000	27,800,000	.....	.....	24,000	1,320,000
	1917	6,300,000	5,720,000	10,870,000	10,870,000	.....	.....	10,000	580,000
Arkansas.....	1919	180,900,000	156,020,000	442,240,000	442,240,000	.....	.....	393,000	24,880,000
	1918	167,010,000	138,770,000	493,670,000	493,670,000	.....	.....	439,000	28,240,000
	1917	164,840,000	136,420,000	486,880,000	486,800,000	80,000	.....	432,000	28,420,000
	1916	125,070,000	99,740,000	567,020,000	566,210,000	810,000	.....	504,000	25,330,000
California.....	1919	12,780,000	11,300,000	28,050,000	28,050,000	.....	.....	25,000	1,480,000
	1918	11,080,000	9,430,000	33,680,000	33,680,000	.....	.....	30,000	1,650,000
	1917	9,410,000	8,010,000	28,910,000	28,910,000	.....	.....	26,000	1,400,000
Florida.....	1919	3,400,000	2,870,000	7,960,000	6,910,000	.....	1,050,000	8,000	530,000
	1918	7,120,000	5,990,000	14,710,000	6,920,000	.....	7,790,000	17,000	1,130,000
	1917	10,260,000	8,660,000	18,930,000	5,120,000	.....	13,810,000	25,000	1,600,000
	1916	6,310,000	5,070,000	20,720,000	7,220,000	.....	13,500,000	26,000	1,240,000
Georgia.....	1919	352,900,000	297,640,000	829,770,000	829,490,000	.....	280,000	736,000	55,260,000
	1918	375,630,000	311,460,000	1,061,200,000	1,052,230,000	.....	8,970,000	947,000	64,170,000
	1917	322,600,000	263,940,000	941,960,000	922,370,000	.....	19,590,000	847,000	58,660,000
	1916	210,230,000	164,250,000	910,470,000	878,670,000	.....	31,800,000	826,000	45,980,000



Louisiana.....	1919	62,270,000	53,610,000	148,840,000	148,440,000	400,000	132,000	8,660,000
	1918	100,400,000	83,750,000	293,860,000	293,860,000		261,000	16,650,000
	1917	102,260,000	84,180,000	319,360,000	318,890,000	470,000	284,000	18,080,000
	1916	47,080,000	37,340,000	221,590,000	221,130,000	460,000	197,000	9,740,000
Mississippi.....	1919	201,920,000	173,820,000	480,440,000	480,440,000		427,000	28,100,000
	1918	208,280,000	172,940,000	613,030,000	613,030,000		545,000	35,340,000
	1917	152,270,000	125,370,000	452,780,000	452,780,000		402,000	26,900,000
	1916	92,790,000	73,950,000	405,900,000	405,900,000		361,000	18,840,000
Missouri.....	1919	12,160,000	10,120,000	32,020,000	32,020,000		28,000	2,040,000
	1918	10,460,000	8,700,000	31,080,000	31,080,000		28,000	1,760,000
	1917	10,100,000	8,370,000	30,420,000	30,420,000		27,000	1,730,000
	1916	6,770,000	5,310,000	31,350,000	31,350,000		28,000	1,460,000
North Carolina.....	1919	174,470,000	147,130,000	415,150,000	415,150,000		368,000	27,340,000
	1918	151,550,000	124,740,000	448,880,000	448,880,000		398,000	26,810,000
	1917	103,940,000	85,310,000	308,990,000	308,990,000		273,000	18,630,000
	1916	72,400,000	56,820,000	327,300,000	327,300,000		290,000	15,580,000
Oklahoma.....	1919	209,930,000	182,800,000	508,060,000	496,860,000	11,200,000	452,000	27,130,000
	1918	94,660,000	78,740,000	288,440,000	279,480,000	8,960,000	256,000	15,920,000
	1917	150,270,000	123,960,000	479,540,000	461,960,000	17,580,000	426,000	26,310,000
	1916	89,180,000	70,210,000	411,760,000	398,430,000	13,330,000	366,000	18,970,000
South Carolina.....	1919	306,730,000	259,270,000	713,070,000	711,890,000	1,180,000	633,000	47,460,000
	1918	275,970,000	228,420,000	784,960,000	781,270,000	3,690,000	699,000	47,550,000
	1917	207,220,000	169,020,000	618,430,000	615,840,000	2,590,000	550,000	38,200,000
	1916	104,900,000	82,140,000	465,920,000	464,720,000	1,200,000	414,000	22,760,000
Tennessee.....	1919	61,990,000	52,780,000	155,020,000	155,020,000		138,000	9,210,000
	1918	54,920,000	45,480,000	164,850,000	164,850,000		147,000	9,440,000
	1917	40,130,000	33,040,000	120,260,000	120,260,000		107,000	7,090,000
	1916	42,350,000	33,580,000	191,210,000	191,210,000		170,000	8,770,000
Texas.....	1919	615,660,000	533,020,000	1,549,480,000	1,531,930,000	17,550,000	1,379,000	82,640,000
	1918	472,140,000	397,470,000	1,348,280,000	1,317,580,000	30,700,000	1,199,000	74,670,000
	1917	495,590,000	406,300,000	1,562,690,000	1,533,800,000	28,890,000	1,390,000	89,290,000
	1916	385,730,000	309,790,000	1,862,850,000	1,828,530,000	34,320,000	1,658,000	75,940,000
Virginia.....	1919	4,730,000	3,990,000	11,260,000	11,260,000		10,000	740,000
	1918	4,200,000	3,460,000	12,440,000	12,440,000		11,000	740,000
	1917	3,140,000	2,590,000	9,390,000	9,390,000		8,000	550,000
	1916	2,990,000	2,350,000	13,560,000	13,560,000		12,000	640,000
All other states.....	1919	1,180,000	1,040,000	2,470,000	2,470,000		2,000	140,000
	1918	1,070,000	880,000	3,080,000	3,080,000		3,000	190,000
	1917	970,000	770,000	2,830,000	2,830,000		3,000	200,000
	1916	7,220,000	6,280,000	28,610,000	28,610,000		25,000	940,000



The statistics of lint cotton produced have been computed to represent the weight of baled cotton just as bought and sold. Estimating the weight of the wrapping and bands of the bales to average 22 pounds for upland square, 3 pounds for upland round, and 10 pounds for sea-island, the total tare for the cotton crop of 1919 on this basis amounted to 248,163,000 pounds, leaving 5,462,217,000 pounds as the net weight of lint cotton produced.

In computing the values of the crops, the average prices of cotton and of cottonseed given in Table 11 have been used. On page 30 is stated the method of determining these prices, and the values given in the table must be considered accordingly. With the varying conditions found throughout the cotton belt, the compilation of absolutely accurate data as to the value of the crop is impossible. The statistics in Table 12 are, in a large sense, therefore, estimates, but it is believed they are sufficiently close to the facts to furnish a reliable reference. The average prices given in Table 11 have been multiplied in each case by the corresponding numbers representing the weights, while the average prices of seed for the several states have been applied to the estimated quantities of seed produced. The values of cotton and of seed are combined to make up the total value of the cotton crop, which appears in the first column of the table. The value of the crop of 1919 as thus determined is \$2,371,430,000 as compared with \$2,087,200,000 for 1918, \$1,866,240,000 for 1917, \$1,253,130,000 for 1916, \$795,840,000 for 1915, and \$720,080,000 for 1914. Thus the value of the crop of 1919 was more than three times that of 1914, notwithstanding the fact that the quantity of lint cotton was very much less.

*Estimated seed production.*—In calculating the production of seed from a crop of cotton, adherence was held formerly to the generally accepted ratio of one part lint and two parts seed, but greater care in seed selection and improved methods of cultivation have developed a somewhat higher percentage of lint. It is estimated that 35 per cent of lint for upland and 25 per cent for sea-island very closely approximate the actual ratios for recent years. Computed on these bases, the quantity of seed produced in 1919 amounted to 5,074,000 tons.

Only approximate accuracy can be claimed for the figures of cottonseed production in Table 12, as different seasons and different localities present conditions which vary considerably. The character of soil, methods of cultivation, and conditions of weather during the growing and maturing periods materially affect the results.

#### LONG-STAPLE COTTON.

The urgent demand for long-staple cotton in the manufacture of thread, automobile tires, and the higher grade fabrics has given such varieties an importance seemingly out of proportion to the amount produced. While at one time long-fiber sea-island cotton grown in the West Indies provided a large part of the total cotton used in Europe, the world's production of this variety at the present time is comparatively insignificant, being less than 20,000 bales. The quantity of long-fiber cotton produced in Egypt last year was about 1,100,000 bales, and the quantity of upland and American-Egyptian cotton with a staple of  $1\frac{1}{2}$  inches or more in length produced in the United States from the crop of 1919, according to the estimate of the Department of Agriculture, was 1,000,000 bales. Long-staple cotton is also produced in comparatively small quantities in India, Brazil, Peru, and several other countries. Altogether the total of long-staple cotton—that is, cotton having a fiber of  $1\frac{1}{2}$  inches or more in length—produced throughout the world from the crop of 1919 did not, in all probability, exceed 2,250,000 bales. As stated above, great interest attaches to cotton of this character under normal conditions, and statistics more or less in detail are presented regarding its cultivation in the United States.

*Sea-island cotton.*—The sea-island cotton crop of 1919 amounted to only 6,916 running bales, or 2,510,000 pounds gross weight, equivalent to 5,020 bales of 500 pounds



each. The reduction in the production of sea-island cotton, due to the ravages of the boll weevil and to reduction in acreage on account of the pest, has been rapid and pronounced, the total for the crop of 1916 being 117,559 running bales. The distribution of the crop, by counties, for the last five years will be found in Table 54 (p. 98) and the localities producing it in 1919 are represented on the map on page 12.

*American-Egyptian cotton.*—The imports of Egyptian cotton into the United States during the year ending July 31, 1920, amounted to 485,004 bales of 500 pounds each. The demand for Egyptian cotton by American manufacturers has led to efforts to grow in the United States cotton having its characteristics, and its culture has been established in Arizona and California. The status of the cultivation of Egyptian varieties of cotton in this country is presented in the following statement, prepared by the Bureau of Plant Industry of the Department of Agriculture:

The crop of American-Egyptian cotton of the calendar year 1919 amounted to 42,374 bales of 500 pounds each and consisted exclusively of the Pima variety, which has an average length of staple of  $1\frac{1}{2}$  to  $1\frac{3}{4}$  inches. The great bulk of the crop was produced in Maricopa County, Ariz., but several hundred bales were produced in Pinal, Pima, and Yuma Counties, Ariz., and in Imperial, Kern, and Fresno Counties, Calif. The prices received were by far the highest in the history of the industry. Toward the close of the marketing season a sale at \$1.35 per pound to the producer was recorded. The total value to the growers of the lint and seed produced is estimated at about \$20,000,000. The value of the crop in Maricopa County alone is stated greatly to have exceeded the entire cost of construction of the Salt River reclamation project, including the Roosevelt Dam.

The acreage which has been planted to American-Egyptian cotton of the Pima variety in Arizona and California in 1920 is estimated provisionally at 256,000 acres, or more than two and one-half times the acreage grown in 1919. Of this total approximately 185,000 acres are located in Maricopa County, Ariz. Preliminary estimates of the acreages in other counties are:

Yuma County, Ariz.....	13, 000
Pinal County, Ariz.....	10, 000
Pima County, Ariz.....	5, 000
Imperial County, Calif.....	28, 000
Kern County, Calif.....	10, 000
Other counties in California.....	5, 000

*Long-staple upland cotton.*—Formerly a large part of the long-staple upland cotton produced in the United States was grown in the Mississippi Delta, where a market for handling cotton of this character had been created. With the increased demand for superior staple cottons, efforts were made in other sections of the cotton belt to grow improved varieties of upland cotton.

Complete data of the production of long-staple upland cotton are not available. The Bureau of Crop Estimates of the Department of Agriculture, however, made an inquiry to determine what percentage of the total crop of 1919 was long-staple. The results of this inquiry are given for the crops of 1918 and 1919 in the tabular statement on the following page.

The reports of the length of staple show a total of 1,006,000 bales of cotton having a length of  $1\frac{1}{2}$  inches or over, produced from the crop of 1919, against 1,359,000 bales of this length of the crop of 1918. The marked increase in long-staple production is due primarily to the relatively high prices paid for it during the last few years, and secondarily to improved varieties which, in sections suitable to their growth, are showing themselves to be almost or quite equal in yield and in early maturity to standard varieties of short staple. Responses to supplemental inquiries as to the proportion of the crop represented by specified lengths of staple indicated that 1.3 per cent of the total crop ran over  $1\frac{1}{2}$  inches, the percentage in Mississippi being 4.4 per cent of the total crop. The most important states producing long-staple upland cotton in 1919 were, in the order of quantity produced, Mississippi, Texas, Arkansas, and South Carolina.



## LENGTH OF COTTON LINT—RELATIVE PRODUCTION: CROPS OF 1918 AND 1919.

[Compiled from publications of the Bureau of Crop Estimates, Department of Agriculture.]

STATE.	OVER 1½ INCHES.		1½ TO 1¾ INCHES.		UNDER 1½ INCHES.	
	1919	1918	1919	1918	1919	1918
PERCENTAGE OF TOTAL CROP.						
United States.....	1.3	1.5	7.5	9.8	91.2	88.1
Alabama.....			0.3	0.7	99.7	99.3
Arkansas.....	3.4	2.6	15.4	20.4	81.2	77.0
Arizona.....	6.0			3.6	40.0	35.7
California <sup>1</sup> .....	1.0		10.0	13.4	90.0	83.6
Georgia.....	18.8	7.1		7.1	81.2	32.2
Louisiana.....	0.2	1.3	1.1	3.5	98.7	94.4
Mississippi.....	0.3	0.3	2.4	3.8	97.3	95.9
Missouri.....	4.4	5.4	31.2	38.4	64.4	56.2
North Carolina.....		0.1	5.6	6.5	94.4	93.5
Oklahoma.....	0.4	0.1	1.4	0.9	98.5	99.0
South Carolina.....	0.2	1.0	7.6	9.6	92.2	89.4
Tennessee.....	1.7	2.6	6.5	7.8	91.8	89.2
Texas.....	0.6	0.3	4.9	4.6	94.5	95.1
All other states.....	0.2	0.2	5.9	7.0	94.1	92.8
				6.5		93.5
BALES, IN THOUSANDS (i. e., 000 omitted).						
United States.....	152	177	854	1,182	10,372	10,588
Alabama.....			2	6	710	794
Arkansas.....	30	26	136	201	717	758
Arizona.....	36			2	24	20
California <sup>1</sup> .....	1		10	9	89	56
Florida.....	2	2		2	14	9
Georgia.....	3	27	18	75	1,637	2,002
Louisiana.....	1	2	7	22	289	566
Mississippi.....	42	66	297	470	613	689
Missouri.....			4	4	60	58
North Carolina.....	3	1	12	8	814	887
Oklahoma.....	2	6	75	55	907	515
South Carolina.....	24	41	92	122	1,306	1,397
Tennessee.....	2	1	15	15	292	313
Texas.....	6	5	181	189	2,878	2,499
All other states.....			5	2	22	29

<sup>1</sup> Including some grown in Mexico.

## NUMBER OF GINNERIES.

The number of ginneries, both active and idle, reported for each year from 1916 to 1919 and the average number of running bales ginned per active establishment are shown, by states, in Table 13. Notwithstanding the general increase in the production of cotton, the total number of active ginneries has been decreasing. Practically all of the states showed a loss in 1919 as compared with 1918. As a result of the more general use of larger and more modern ginneries in the newer portions of the cotton belt, the average number of bales ginned per establishment is higher for these sections.

It is the practice of the bureau to retain on the official list and to class as "idle" all establishments which contain the machinery necessary for ginning, and which may be operated at some future time, and to drop from the list as "dismantled" only those not properly equipped with ginning machinery. This, in part, accounts for the relatively large number of idle establishments. The number of active and of idle ginneries in each county is shown in Table 55 (pp. 99 to 114).



TABLE 13.—NUMBER OF ACTIVE AND IDLE GINNERIES, AND AVERAGE NUMBER OF RUNNING BALES, EXCLUDING LINTERS, GINNED PER ACTIVE ESTABLISHMENT, BY STATES: 1916 TO 1919.

STATE.	Growth year.	NUMBER OF GINNERIES.			Average number of running bales ginned per active establishment.	STATE.	Growth year.	NUMBER OF GINNERIES.			Average number of running bales ginned per active establishment.
		Total.	Active.	Idle.				Total.	Active.	Idle.	
United States.	1919	22,418	18,815	3,603	602	Missouri.....	1919	107	88	19	712
	1918	23,439	19,259	4,180	618		1918	114	91	23	657
	1917	24,272	20,351	3,921	553		1917	110	92	18	641
	1916	25,999	21,624	4,375	526		1916	109	90	19	672
Alabama.....	1919	2,189	1,701	488	421	North Carolina.	1919	2,452	2,020	432	424
	1918	2,397	1,773	624	445		1918	2,521	2,096	425	439
	1917	2,578	1,851	727	281		1917	2,597	2,245	352	292
	1916	2,927	2,221	706	249		1916	2,812	2,380	432	291
Arizona.....	1919	37	32	5	1,827	Oklahoma.....	1919	1,006	899	107	1,115
	1918	21	19	2	2,853		1918	1,044	857	187	683
	1917	15	13	2	1,626		1917	1,073	969	104	986
Arkansas.....	1919	1,765	1,547	218	561		1916	1,094	957	137	850
	1918	1,851	1,618	233	592	South Carolina.	1919	3,116	2,796	320	523
	1917	1,913	1,728	185	552		1918	3,144	2,804	340	564
	1916	1,966	1,771	195	623		1917	3,149	2,771	378	457
California.....	1919	29	27	2	2,188		1916	3,336	2,832	504	343
	1918	23	21	2	3,404	Tennessee.....	1919	554	486	68	620
	1917	22	22	.....	2,681		1918	579	504	75	631
	1916	19	19	.....	2,298		1917	601	531	70	450
Florida.....	1919	210	93	117	186		1916	624	543	81	696
	1918	243	149	94	235	Texas.....	1919	4,113	3,582	531	826
	1917	241	163	78	296		1918	4,246	3,365	881	776
	1916	251	181	70	282		1917	4,385	3,724	661	817
Georgia.....	1919	3,481	2,782	699	603		1916	4,530	3,970	560	897
	1918	3,660	3,013	647	703	Virginia.....	1919	136	110	26	210
	1917	3,790	3,214	576	587		1918	143	109	34	232
	1916	4,122	3,474	648	533		1917	142	120	22	168
Louisiana.....	1919	1,191	952	239	318		1916	140	123	17	227
	1918	1,267	1,051	216	554	All other states <sup>1</sup>	1919	6	5	1	987
	1917	1,326	1,115	211	565		1918	7	6	1	1,038
	1916	1,435	1,099	336	401		1917	9	8	1	707
Mississippi.....	1919	2,026	1,695	331	561		1916	18	15	3	895
	1918	2,179	1,783	396	669						
	1917	2,321	1,785	536	497						
	1916	2,616	1,949	667	411						

<sup>1</sup> Includes Arizona for 1916, Kansas, Kentucky, and New Mexico.

## GINNING MACHINERY.

Special inquiries were made with regard to ginning machinery during the past season, so as to determine the number of gins and saws, average number of saws per establishment, and classification of gineries according to kind of power, by states. The results of this canvass, together with the results of previous canvasses covering the years 1906, 1909, and 1914, are given in Table 14. These statistics will be found especially interesting in showing the changes in power used and the general tendency toward consolidation in the ginning industry. Large modern plants are displacing the small and poorly equipped ones.

Of the 18,815 active gineries in 1919, all but 93 reported saw gins. These 93 establishments were engaged principally in ginning sea-island cotton along the Atlantic seaboard, and in ginning long-staple cotton in Arizona and California. There were also a number of establishments equipped with both saw and roller gins. When this is the case they have been reported as equipped with saw gins, and this portion of the equipment included.



TABLE 14.—NUMBER OF ACTIVE SAW GINNERIES, NUMBER OF GINS AND SAWS, AVERAGE NUMBER OF SAWS PER ESTABLISHMENT, AND CLASSIFICATION OF GINNERIES ACCORDING TO POWER USED: 1906, 1909, 1914, AND 1919.

STATE.	Year.	Active gin-neries. <sup>1</sup>	Gins.	Saws.	Average number of saws per gin-neries.	GINNERIES CLASSIFIED ACCORDING TO POWER USED.														
						Steam. <sup>2</sup>			Water. <sup>3</sup>			Gasoline. <sup>4</sup>			Animal.			Electric.		
						Gin-neries.	Gins.	Saws.	Gin-neries.	Gins.	Saws.	Gin-neries.	Gins.	Saws.	Gin-neries.	Gins.	Saws.	Gin-neries.	Gins.	Saws.
United States..	1919	18,722	53,199	3,721,925	199	15,186	44,932	3,148,859	591	894	56,085	2,211	4,115	279,708	5	5	281	729	3,253	236,392
	1914	24,418	61,181	4,193,556	172	21,045	55,309	3,807,334	1,069	1,455	88,433	1,922	2,978	194,404	40	41	1,970	342	1,398	101,415
	1909	26,431	57,339	3,709,835	140	23,766	53,653	3,484,701	1,544	1,954	115,704	806	1,113	70,805	199	199	9,505	116	420	29,120
	1906	28,486	54,553	3,597,400	126	25,692	51,173	3,403,845	1,825	2,194	126,040	438	552	34,005	481	482	22,810	50	152	10,700
Alabama.....	1919	1,701	4,346	295,783	174	1,428	3,804	259,728	131	201	12,715	102	182	11,860	1	1	60	39	158	11,420
	1914	2,975	6,497	436,988	147	2,508	5,799	393,003	259	339	20,370	170	246	15,745	9	9	420	29	104	7,450
	1909	3,408	6,186	401,955	118	2,848	5,494	361,660	390	487	28,445	116	140	8,940	50	50	2,250	4	15	660
	1906	3,658	6,159	393,320	108	2,996	5,380	349,500	456	546	31,170	88	113	7,180	116	116	5,200	2	4	270
Arkansas.....	1919	1,547	4,215	302,014	195	1,412	3,848	275,872	16	24	1,540	66	147	10,370	.....	.....	.....	53	196	14,232
	1914	1,880	4,273	297,047	158	1,781	4,103	285,502	36	36	2,000	46	78	5,600	2	2	100	15	54	3,845
	1909	2,051	5,729	267,908	131	1,964	5,637	202,658	55	58	3,160	18	20	1,380	14	14	710	.....	.....	.....
	1906	2,312	3,929	263,205	114	2,203	3,815	257,230	66	67	3,515	9	13	770	34	34	1,690	.....	.....	.....
California.....	1919	25	132	9,670	387	2	7	540	.....	.....	.....	3	13	960	.....	.....	.....	20	112	8,170
Florida.....	1919	76	123	8,140	107	58	103	7,080	6	7	380	8	9	450	.....	.....	.....	4	4	230
	1914	149	252	16,345	110	115	207	13,730	18	19	1,145	15	25	1,400	.....	.....	.....	1	1	70
	1909	156	220	14,010	90	121	184	11,890	29	30	1,780	5	5	330	1	1	40	.....	.....	.....
	1906	178	233	14,505	81	135	190	12,090	34	34	1,925	5	5	310	3	3	120	1	1	60
Georgia.....	1919	2,782	7,979	550,722	198	2,246	6,780	470,142	138	207	12,660	288	477	30,800	.....	.....	.....	110	515	37,120
	1914	3,846	9,688	648,612	169	3,245	8,064	583,167	242	339	20,370	299	420	26,405	8	8	330	52	257	18,340
	1909	4,374	8,817	569,925	130	3,815	8,044	524,761	368	477	27,584	142	190	11,080	25	25	1,060	24	81	5,440
	1906	4,529	8,228	518,275	114	3,940	7,494	477,155	443	560	31,760	88	103	5,805	51	52	2,295	7	19	1,260
Louisiana.....	1919	952	2,204	153,533	161	792	1,826	126,659	18	18	1,130	129	310	22,099	1	1	80	12	49	3,565
	1914	1,187	2,267	155,407	131	1,116	2,161	148,282	21	21	1,325	44	72	4,930	3	3	170	3	10	700
	1909	1,431	2,597	175,015	122	1,390	2,540	171,340	29	34	2,115	5	5	350	5	5	300	2	13	910
	1906	2,076	3,524	237,475	114	2,014	3,446	232,780	37	41	2,410	4	5	350	19	19	1,015	2	13	920



Mississippi.....	1919	1,695	4,410	314,184	185	1,502	3,925	279,079	41	50	2,950	109	239	17,725	.....	.....	.....	43	196	14,430
	1914	2,359	5,398	376,434	160	2,211	5,136	359,753	71	90	4,891	57	98	6,720	.....	.....	.....	13	66	4,610
	1909	3,283	6,537	443,702	135	3,064	6,249	426,202	130	164	10,010	33	38	2,385	48	48	2,505	8	38	2,600
	1906	3,780	6,789	457,725	121	3,478	6,456	438,980	157	171	10,015	18	21	1,330	122	122	6,110	5	19	1,290
North Carolina.....	1919	2,020	3,853	259,330	128	1,304	2,555	171,670	73	105	6,675	513	698	45,190	1	1	45	129	494	35,750
	1914	2,625	4,200	277,452	106	1,895	3,214	210,760	138	170	10,355	513	620	38,257	5	5	200	74	251	17,880
	1909	2,781	3,859	242,190	87	2,342	3,316	209,585	201	231	13,280	186	202	12,075	22	22	970	30	88	6,250
	1906	2,792	3,648	223,815	80	2,422	3,266	200,775	237	258	14,415	76	80	4,640	49	49	2,155	8	25	1,830
Oklahoma.....	1919	899	3,531	252,030	280	843	3,316	236,340	2	4	290	29	110	8,150	.....	.....	.....	25	101	7,250
	1914	1,062	3,962	279,903	204	1,028	3,852	271,935	2	3	220	19	57	4,098	.....	.....	.....	13	50	3,650
	1909	897	3,180	223,080	249	890	3,163	221,930	3	6	380	1	3	210	.....	.....	.....	3	8	560
	1906	939	3,169	220,130	234	927	3,141	218,190	8	15	990	2	5	350	.....	.....	.....	2	8	600
South Carolina.....	1919	2,746	5,612	384,327	140	1,870	4,041	277,577	137	191	12,365	628	849	55,705	.....	.....	.....	111	531	38,680
	1914	3,144	5,854	391,589	125	2,398	4,741	317,824	219	290	17,885	471	603	38,970	3	3	120	53	217	16,790
	1909	3,159	5,124	332,835	105	2,688	4,485	293,145	257	298	17,965	179	214	13,610	11	11	505	24	106	7,610
	1906	3,078	4,700	299,985	97	2,663	4,206	270,870	278	313	17,995	93	104	6,355	27	27	1,175	17	50	3,590
Tennessee.....	1919	486	1,325	90,426	186	429	1,182	80,121	6	14	940	31	63	4,425	.....	.....	.....	20	66	4,940
	1914	575	1,395	97,724	170	519	1,284	89,989	14	21	1,330	28	44	3,015	.....	.....	.....	14	46	3,390
	1909	633	1,277	87,715	139	590	1,213	83,725	18	26	1,595	9	10	670	.....	.....	.....	6	18	1,250
	1906	702	1,244	84,085	120	635	1,172	80,240	27	32	1,785	3	3	180	37	37	1,880	.....	.....	.....
Texas.....	1919	3,582	15,015	1,070,542	299	3,172	13,225	941,401	18	67	4,730	242	931	66,630	2	2	96	148	790	57,685
	1914	4,361	16,838	1,182,574	271	4,064	15,805	1,109,792	41	119	8,142	200	642	45,000	3	3	170	53	269	19,470
	1909	4,057	13,461	928,820	229	3,892	13,009	897,615	54	133	8,850	86	258	18,165	12	12	650	13	49	3,540
	1906	4,232	12,599	864,465	204	4,100	12,340	847,450	70	144	9,460	36	83	5,705	21	21	1,090	5	11	760
All other states <sup>6</sup> ...	1919	211	454	31,224	148	128	320	22,650	5	6	310	63	87	5,344	.....	.....	.....	15	41	2,920
	1914	255	497	33,481	131	165	343	23,597	8	8	400	60	73	4,264	.....	.....	.....	22	73	5,220
	1909	201	352	22,710	113	162	309	20,220	10	10	540	26	28	1,610	.....	.....	.....	2	4	300
	1906	210	331	20,415	97	179	297	18,585	12	13	600	16	17	1,030	2	2	80	1	2	120

COTTON PRODUCTION.

<sup>1</sup> Does not include 93 establishments in 1919, 129 in 1914, 238 in 1909, and 223 in 1906, which do not use saws.

<sup>2</sup> Includes 9 establishments using steam and gasoline and 5 using steam and electric power in 1919, 15 using steam and gasoline, and 11 using steam and electric power in 1914, and 4 establishments using steam and gasoline and 3 using steam and electric power in 1909.

<sup>3</sup> Includes 3 establishments using water and steam and 4 using water and gasoline in 1919, 14 using water and steam and 6 using water and gasoline in 1914, and 29 establishments using water and steam and 2 using water and gasoline in 1909, and 39 using water and steam and 1 using water and gasoline in 1906.

<sup>4</sup> Includes 2 establishments using gasoline and electric power in 1919.

<sup>5</sup> Includes Arizona, Kentucky, Missouri, New Mexico, and Virginia for 1919.



*Classification of ginneries according to power used.*—Some surprising changes have occurred in the kind of power used, the number employing steam power being reduced from 25,692 in 1906 to 15,186 in 1919. The number employing water power during the same period was reduced from 1,825 to 591, and of animal power from 481 to 5. There have been large changes in the use of gasoline engines, 438 establishments reporting this power in 1906 and 2,211 in 1919. During the same period the establishments employing electric power increased from 50 to 729.

The data as to kind of power used, equipment, and classification according to number of saws for idle ginneries are shown in the following table. It will be noted that almost half of the idle ginneries showed less than 100 saws each. The number of idle ginneries depends, of course, on the size of the cotton crop. In localities in which storms, drought, or insects have largely destroyed the crop, only a few ginneries are operated.

TABLE 15.—NUMBER OF IDLE SAW GINNERIES, NUMBER OF GINS AND SAWS, AVERAGE NUMBER OF SAWS PER ESTABLISHMENT, AND CLASSIFICATION OF GINNERIES ACCORDING TO KIND OF POWER: 1919.

1919	Total.	Steam.	Water. <sup>1</sup>	Gasoline.	Animal.	Electric.
Idle ginneries.....	3,532	3,006	180	306	7	33
Gins.....	6,599	5,880	216	401	8	94
Saws.....	441,003	395,308	13,015	25,705	395	6,580
Average number of saws per ginnery.....	125					
Less than 50.....	124	88	21	10	5	0
50 but less than 75.....	1,409	1,087	116	202	1	3
75 but less than 100.....	185	149	14	15	0	7
100 but less than 200.....	1,125	1,025	27	65	1	7
200 but less than 500.....	671	642	2	14	0	13
500 and over.....	18	15	0	0	0	3

<sup>1</sup> Includes 8 establishments equipped with water wheels and gasoline engines.

*Classification of ginneries according to number of saws.*—Table 16 (p. 41) shows the ginneries classified according to number of saws. This brings out very strikingly the decrease in the number of the smaller establishments. In 1906 there were 1,117 ginneries reporting less than 50 saws each, while in 1919 there were 127 establishments of this size. During the same period the number of establishments reporting 50 but less than 75 was reduced from 11,916 to 3,565, and 75 saws but less than 100 was reduced from 1,514 to 624. In other words, 4,316 ginneries reported less than 100 saws in 1919, whereas in 1906 the total number of such establishments was 14,547.

*Horsepower and ginning capacity.*—Information as to the ginning capacity of the ginneries and the horsepower of the engines employed was also collected in 1919. The total engine horsepower as shown in Table 17 (p. 42) was 973,717. The power reported for steam engines in this unit was 819,509, or 82.5 per cent of the total. Next in importance was gasoline engines with 80,852 horsepower, and third in importance, electric motors with 57,115. The returns for ginning capacity per 12 hours show the surprising total of 557,966 bales. It may be that in some instances a 24-hour capacity was given instead of the 12-hour capacity asked for. The total indicates that a 12,000,000-bale crop could be ginned in a single month.



TABLE 16.—ACTIVE GINNERIES CLASSIFIED ACCORDING TO NUMBER OF SAWS: 1906, 1909, 1914, AND 1919.

STATE.	Year.	GINNERIES CLASSIFIED ACCORDING TO NUMBER OF SAWS.					
		Less than 50.	50 but less than 75.	75 but less than 100.	100 but less than 200.	200 but less than 500.	500 and over.
United States.....	1919	127	3,565	624	5,633	8,043	730
	1914	311	6,590	1,015	7,751	7,995	756
	1909	712	9,754	1,227	8,264	6,017	457
	1906	1,117	11,916	1,514	8,296	5,306	337
Alabama.....	1919	14	305	84	696	555	47
	1914	63	831	183	1,177	659	62
	1909	167	1,364	209	1,180	450	38
	1906	249	1,634	254	1,115	364	42
Arkansas.....	1919	3	175	45	574	717	33
	1914	16	434	84	751	571	24
	1909	42	691	148	767	387	16
	1906	57	1,007	218	747	266	17
California.....	1919	.....	1	.....	1	17	6
Florida.....	1919	4	39	4	18	11	.....
	1914	4	78	9	38	20	.....
	1909	5	97	25	25	4	.....
	1906	19	104	20	28	7	.....
Georgia.....	1919	26	491	83	928	1,114	140
	1914	80	1,037	110	1,362	1,116	142
	1909	200	1,635	169	1,489	811	70
	1906	297	1,957	179	1,417	633	46
Louisiana.....	1919	3	222	44	377	293	13
	1914	8	430	69	449	226	5
	1909	12	588	84	524	214	9
	1906	22	938	161	701	241	13
Mississippi.....	1919	3	224	58	723	643	44
	1914	12	605	141	1,019	637	45
	1909	35	1,098	216	1,308	585	41
	1906	89	1,521	319	1,266	551	34
North Carolina.....	1919	36	834	99	662	359	30
	1914	64	1,377	125	767	277	15
	1909	125	1,739	130	625	155	7
	1906	201	1,838	135	498	117	3
Oklahoma.....	1919	.....	2	1	57	821	18
	1914	.....	8	3	121	903	27
	1909	.....	9	2	185	678	23
	1906	.....	27	5	239	640	28
South Carolina.....	1919	19	1,108	164	850	536	69
	1914	25	1,484	215	901	452	67
	1909	71	1,771	154	817	315	31
	1906	123	1,873	112	686	270	14
Tennessee.....	1919	2	42	17	197	217	11
	1914	4	103	36	211	211	10
	1909	10	199	44	214	162	4
	1906	11	301	50	212	125	3
Texas.....	1919	2	56	13	508	2,685	318
	1914	7	206	32	904	2,854	358
	1909	11	481	39	1,095	2,214	217
	1906	10	619	56	1,351	2,059	137
All other states <sup>1</sup> .....	1919	15	66	12	42	75	1
	1914	28	97	8	51	70	1
	1909	34	82	7	35	42	1
	1906	39	97	5	36	33	.....

<sup>1</sup> Includes Arizona, Kentucky, Missouri, New Mexico, and Virginia.



TABLE 17.—ACTIVE AND IDLE GINNERIES, CLASSIFIED ACCORDING TO ENGINE HORSE-POWER, 12-HOUR CAPACITY, AND KIND OF POWER USED: 1919.

1919	Total.	Steam.	Water.	Gasoline.	Electric.	Animal.
Engine horsepower.....	973,717	819,509	16,241	80,852	57,115	.....
Less than 20.....	3,482	2,034	411	1,021	16	.....
20 to 29.....	4,950	3,946	226	734	44	.....
30 to 39.....	3,262	2,977	55	170	60	.....
40 to 49.....	2,872	2,692	36	87	57	.....
50 and over.....	7,840	6,594	45	590	611	.....
12-hour capacity.....	557,966	473,211	7,984	43,598	33,120	53
Less than 15.....	7,075	4,782	636	1,582	64	11
15 to 24.....	5,674	5,008	98	486	81	1
25 to 34.....	3,935	3,539	22	211	163	.....
35 to 49.....	3,749	3,263	9	233	244	.....
50 and over.....	1,985	1,651	8	90	236	.....

## ACREAGE AND PRODUCTION.

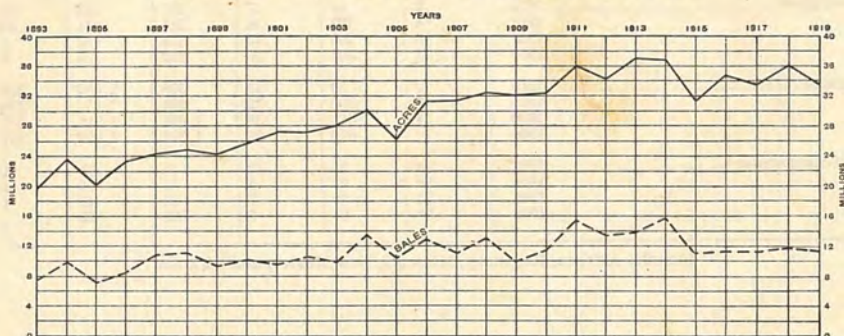
Table 18 (p. 44) shows, for selected years, the cotton acreage harvested, together with the production of cotton. The estimated acreage planted in 1920 is also given.

According to the revised estimate of the Department of Agriculture, the area planted in cotton in 1919 was 35,133,000 acres, of which 1,567,000 acres, or 4.5 per cent, were abandoned, leaving 33,566,000 acres as the area from which the crop was harvested. The average production of lint per acre in 1919, as estimated by the Department of Agriculture, was 161.5 pounds, which compares with 160 pounds in 1918 and 1917, 157 pounds in 1916, 170 pounds in 1915, and 209 pounds in 1914. The average yield per acre in North Carolina in 1919 was 266 pounds, in South Carolina 240 pounds, in Missouri 257 pounds, and in Arizona and California, where cotton is grown on irrigated land, 270 and 268 pounds, respectively. When conditions are favorable, the yield of cotton in some localities approaches a bale to the acre. This is largely the result of improved cultural methods, which involved thorough preparation of the soil, the use of commercial fertilizers, rotation of cotton with leguminous crops, and frequent and intelligent cultivation. With the more general adoption of intensive farming, there may be a large increase in production without any general extension of acreage.

The estimated acreage planted to cotton in 1920 is 35,504,000 acres. Included in this total is 256,000 acres in American-Egyptian. Of the American-Egyptian acreage, 213,000 is in Arizona and 43,000 in California.

The acreage and production of cotton in the United States from 1893 to 1919 is graphically presented in the following diagram:

DIAGRAM 3.—AREA AND YIELD OF COTTON: 1893 TO 1919.





### LOCALIZATION OF COTTON GINNING.

The cotton crop of 1919 was ginned in 887 counties, that of 1918 in 899, that of 1917 in 877, and that of 1916 in 875. In several instances there were counties in which the ginneries were active for one crop and idle for another, this fact accounting, in part, for the differences in the number of counties for the different crops. Table 19 (p. 46) gives the number of counties, by states, from which cotton ginning was reported, and classifies the counties according to the total quantities returned by the ginneries.

Of the total number of counties reporting cotton ginned from the crop of 1919, 308 returned less than 5,000 equivalent 500-pound bales each. For many of these counties the quantity of cotton reported is small, in some cases only one or two ginneries being operated in a county. There were 128 counties which reported more than 25,000 bales in 1919, of which 25 reported more than 50,000 bales each, 7 more than 75,000 bales each, and 1—Bolivar County, Miss.—more than 100,000 bales.

The counties reporting cotton ginned are indicated on the United States map on page 12, while on the state maps (pp. 128 to 135, inclusive) the counties ginning cotton are designated according to the production in 500-pound bales.

Table 54 shows the quantity of sea-island cotton ginned to December 13 and for the season, by counties, Table 55 gives similar data for sea-island and upland cotton combined, as well as the numbers of active and idle ginneries, and Table 56 presents statistics of cotton ginned to specified dates and throughout the season. Linters are not included in these tables.



TABLE 18.—COTTON ACREAGE HARVESTED, AND PRODUCTION, BY STATES, FOR SELECTED YEARS: 1839 TO 1920.

Quantities are given in running bales, except that round bales are counted as half bales. Linters are excluded. Census statistics of acreage prior to 1879 are not available. The statistics of acreage and of production for the census years 1879, 1889, 1899, and 1909, and those of production since 1898, are census figures based on actual canvass, while the others are as estimated by the United States Department of Agriculture.]

GROWTH YEAR.	United States.	Alabama.	Arkansas.	Florida.	Georgia.	Louisiana.	Mississippi.	Missouri. <sup>1</sup>	North Carolina.	Oklahoma.	South Carolina.	Tennessee.	Texas.	Virginia.
1920—Acres <sup>2</sup> .....	35,504,000	2,871,000	2,922,000	127,000	4,972,000	1,581,000	2,940,000	547,000	1,556,000	2,889,000	2,900,000	798,000	11,356,000	45,000
1919—Acres.....	33,566,000	2,791,000	2,725,000	103,000	5,220,000	1,527,000	2,848,000	327,000	1,490,000	2,424,000	2,835,000	758,000	10,476,000	42,000
Bales.....	11,325,532	716,655	867,177	17,317	1,678,758	303,035	950,907	185,156	857,253	1,002,178	1,462,277	301,408	2,960,335	23,076
1918—Acres.....	36,008,000	2,570,000	2,991,000	167,000	5,341,000	1,683,000	3,138,000	340,000	1,600,000	2,998,000	3,001,000	902,000	11,233,000	44,000
Bales.....	11,906,480	789,265	957,118	34,951	2,117,860	582,698	1,193,122	191,719	919,338	585,149	1,581,726	317,962	2,610,337	25,235
1917—Acres.....	33,841,000	1,977,000	2,740,000	183,000	5,195,000	1,454,000	2,788,000	345,000	1,515,000	2,783,000	2,837,000	882,000	11,092,000	50,000
Bales.....	11,248,242	520,906	953,587	48,178	1,885,054	629,719	886,209	144,709	656,656	955,342	1,267,135	238,806	3,041,726	20,155
1916—Acres.....	34,985,000	3,225,000	2,600,000	191,000	5,277,000	1,250,000	3,110,000	210,000	1,451,000	2,562,000	2,780,000	887,000	11,400,000	42,000
Bales.....	11,363,915	552,679	1,102,671	50,979	1,852,104	441,121	800,190	117,550	693,672	813,419	970,702	378,064	3,562,789	27,975
1915—Acres.....	31,412,000	3,340,000	2,170,000	193,000	4,825,000	990,000	2,735,000	150,000	1,282,000	1,895,000	2,516,000	772,000	10,510,000	34,000
Bales.....	11,068,173	1,025,818	789,583	55,354	1,937,730	336,813	925,509	82,192	737,351	622,176	1,174,213	296,222	3,068,852	16,357
1914—Acres.....	36,832,000	4,007,000	2,480,000	221,000	5,433,000	1,299,000	3,054,000	212,000	1,527,000	2,847,000	2,861,000	915,000	11,931,000	45,000
Bales.....	15,905,840	1,731,751	999,237	90,648	2,723,094	452,251	1,217,883	140,109	970,479	1,232,638	1,560,195	372,068	4,390,200	25,277
1913—Acres.....	37,089,000	3,760,000	2,502,000	188,000	5,318,000	1,244,000	3,067,000	126,000	1,576,000	3,009,000	2,790,000	865,000	12,597,000	47,000
Bales.....	13,982,811	1,483,669	1,038,293	66,700	2,346,237	436,865	1,251,841	95,629	837,995	842,499	1,418,704	366,786	3,773,024	24,569
1912—Acres.....	34,283,000	3,730,000	1,991,000	224,000	5,335,000	929,000	2,889,000	112,000	1,545,000	2,665,000	2,695,000	783,000	11,338,000	47,000
Bales.....	13,488,539	1,328,297	770,937	58,833	1,812,778	374,793	1,004,376	64,573	906,351	1,005,109	1,224,245	267,439	4,645,309	25,499
1911—Acres.....	36,045,000	4,017,000	2,363,000	308,000	5,504,000	1,075,000	3,340,000	141,000	1,624,000	3,050,000	2,800,000	837,000	10,943,000	43,000
Bales.....	15,553,073	1,695,284	908,014	94,471	2,794,295	380,826	1,169,066	107,879	1,126,276	1,016,538	1,692,146	430,027	4,107,152	31,099
1910—Acres.....	32,403,000	3,560,000	2,238,000	257,000	4,873,000	975,000	3,317,000	109,000	1,478,000	2,204,000	2,534,000	765,000	10,060,000	33,000
Bales.....	11,568,334	1,192,179	798,156	67,172	1,812,178	246,788	1,212,104	68,694	753,087	919,842	1,210,968	321,103	2,949,968	16,095
1909—Acres.....	32,044,000	3,731,000	2,153,000	263,000	4,883,000	957,000	3,400,000	106,000	1,274,000	1,977,000	2,557,000	788,000	9,930,000	25,000
Bales.....	10,172,731	1,040,137	697,603	61,877	1,850,125	258,459	1,073,105	46,785	633,746	552,678	1,137,382	240,757	2,469,331	10,746
1908—Acres.....	32,444,000	3,591,000	2,296,000	265,000	4,848,000	1,550,000	3,395,000	87,000	1,458,000	2,311,000	2,545,000	754,000	9,316,000	28,000
Bales.....	13,086,005	1,332,003	996,093	70,598	1,977,050	466,543	1,620,325	60,025	683,628	689,345	1,215,848	334,084	3,627,350	13,113
1907—Acres.....	31,311,000	3,439,000	1,950,000	265,000	4,774,000	1,622,000	3,220,000	71,000	1,408,000	2,196,000	2,426,000	749,000	9,156,000	35,000
Bales.....	11,057,822	1,113,093	751,851	56,668	1,890,323	662,032	1,442,881	36,415	637,961	848,977	1,163,565	266,433	2,208,021	9,602
1906—Acres.....	31,374,000	3,558,000	2,097,000	283,000	4,610,000	1,739,000	3,408,000	91,000	1,374,000	1,981,000	2,389,000	814,000	8,894,000	36,000
Bales.....	12,983,201	1,241,133	894,268	61,473	1,632,703	955,473	1,483,408	53,684	611,258	871,961	912,602	298,023	3,957,619	14,596
1905—Acres.....	26,117,153	3,500,168	1,718,751	256,173	3,738,703	1,561,774	3,051,265	66,444	1,085,568	1,234,822	2,161,923	757,397	6,945,501	38,664
Bales.....	10,495,105	1,228,000	598,915	78,838	1,725,272	511,738	1,168,059	41,664	652,815	660,027	1,112,363	240,030	2,432,718	15,666
1904—Acres.....	30,053,739	3,611,731	2,051,185	267,372	4,227,188	1,745,865	3,632,458	79,403	1,306,968	1,315,663	2,531,875	881,341	8,355,491	47,199
Bales.....	13,451,337	1,451,392	901,223	87,525	1,962,890	1,083,683	1,774,464	51,434	749,712	796,382	1,192,926	320,317	3,062,203	17,216



1903—Acres.....	28,016,893	3,608,049	1,925,191	268,666	4,048,912	1,642,463	3,327,960	68,529	1,155,028	1,029,357	2,318,100	783,196	7,801,578	39,864
Bales.....	9,819,969	987,224	715,588	58,572	1,305,844	818,087	1,410,805	39,839	555,320	456,704	814,351	240,808	2,406,146	13,681
1902—Acres.....	27,114,103	3,501,614	1,901,758	253,961	3,863,542	1,617,586	3,183,989	61,830	1,075,743	1,017,090	2,205,016	754,600	7,640,531	36,843
Bales.....	10,588,250	965,518	949,101	67,287	1,475,834	806,911	1,423,395	42,289	567,530	530,709	948,005	307,102	2,427,994	16,575
1901—Acres.....	27,220,414	3,642,964	1,854,482	254,596	4,006,199	1,586,124	3,193,570	55,183	1,112,260	837,673	2,248,569	737,337	7,656,312	35,145
Bales.....	9,582,520	1,112,892	712,492	57,144	1,373,857	834,048	1,252,728	29,951	450,128	371,029	731,561	194,847	2,447,834	14,009
1900—Acres.....	25,758,139	3,403,746	1,742,787	235,451	3,783,015	1,480,781	3,194,795	50,173	1,061,034	709,006	2,195,252	662,612	7,178,015	30,572
Bales.....	10,102,102	1,028,640	801,034	55,696	1,256,901	705,061	1,037,029	27,130	508,302	346,237	779,849	215,375	3,329,015	11,833
1899—Acres.....	24,275,101	3,202,135	1,641,855	221,825	3,513,839	1,376,254	2,897,920	48,201	1,007,020	682,743	2,074,081	623,137	6,960,367	25,724
Bales.....	9,393,242	1,086,667	702,512	56,821	1,287,386	701,662	1,239,373	19,582	472,770	200,611	874,744	207,551	2,525,324	9,239
1898—Acres.....	24,967,295	3,003,176	1,876,467	152,452	3,535,205	1,281,691	2,900,298	82,498	1,311,708	530,799	2,353,213	896,722	6,991,904	51,162
Bales.....	11,189,205	1,176,042	919,469	35,064	1,378,731	717,747	1,247,128	33,207	629,620	316,864	1,035,414	322,820	3,363,109	13,990
1897—Acres.....	24,319,584	2,709,460	1,619,785	251,109	3,537,702	1,245,399	2,778,610	83,784	1,302,437	534,656	2,074,778	967,077	7,164,175	50,612
Bales.....	10,897,857	1,112,681	942,267	53,657	1,350,781	788,325	1,524,771	27,082	646,726	317,561	1,030,085	268,635	2,822,408	12,878
1896—Acres.....	23,273,209	2,656,333	1,542,652	264,325	3,468,335	1,245,399	2,835,316	79,373	1,228,714	219,674	2,014,348	912,337	6,758,656	47,747
Bales.....	8,532,705	833,789	605,643	48,730	1,299,340	567,251	1,201,000	24,717	521,795	122,956	936,463	236,781	2,122,701	11,539
1895—Acres.....	20,184,808	2,371,726	1,186,655	191,540	3,069,323	1,142,568	2,487,119	48,212	1,050,183	238,940	1,814,728	712,763	5,826,428	44,623
Bales.....	7,161,094	663,916	520,860	38,722	1,067,377	613,843	1,013,358	11,934	397,752	82,771	764,700	172,560	1,905,337	7,064
1894—Acres.....	23,687,950	2,664,861	1,483,319	201,621	3,610,968	1,313,296	2,826,272	72,107	1,296,522	262,890	2,160,391	870,954	6,854,621	61,128
Bales.....	9,901,251	900,439	748,206	50,729	1,247,952	700,757	1,231,227	25,543	479,441	135,566	802,604	304,981	3,140,392	13,414
1893—Acres.....	19,525,000	2,316,000	1,867,250	165,000	3,050,000	946,000	2,845,400	310,670	1,180,000	805,920	1,885,000	805,920	4,153,760	(*)
Bales.....	7,493,000	810,000	679,000	55,000	1,000,000	473,000	1,050,000	103,000	400,000	(*)	650,000	276,000	1,907,000	(*)
1889—Acres.....	20,175,270	2,761,165	1,700,578	227,370	3,345,104	1,270,154	2,883,278	60,620	1,147,136	71,187	1,987,469	747,471	3,934,525	39,213
Bales.....	7,472,511	691,210	691,494	57,928	1,191,846	659,180	1,154,725	16,941	336,261	34,540	747,190	190,579	1,471,242	5,375
1884—Acres.....	17,439,612	2,740,941	1,259,858	268,111	2,958,930	922,581	2,392,447	70,920	1,061,048	(*)	1,716,128	815,678	3,186,668	46,302
Bales.....	5,682,000	648,700	531,400	57,300	807,400	485,200	883,200	30,200	404,100	(*)	511,800	313,800	995,400	13,500
1879—Acres.....	14,480,019	2,330,086	1,042,976	245,595	2,617,138	864,787	2,106,215	34,783	893,153	35,000	1,364,249	722,562	2,178,435	45,040
Bales.....	5,755,359	699,654	608,256	54,997	814,441	508,569	963,111	21,685	389,598	17,000	522,548	330,621	805,284	19,595
1869—Bales <sup>1</sup> .....	3,011,996	429,482	247,968	39,789	473,934	350,832	564,938	2,965	144,935	.....	224,500	181,842	350,628	183
1859—Bales <sup>1</sup> .....	5,387,052	989,955	367,393	65,153	701,840	777,738	1,202,507	42,886	145,514	.....	353,412	296,464	431,463	12,727
1849—Bales <sup>1</sup> .....	2,469,093	564,429	65,344	45,131	499,091	178,377	484,292	772	73,845	.....	300,901	194,532	58,072	3,947
1839—Bales <sup>1</sup> .....	2,063,915	305,846	15,741	31,620	426,612	398,517	504,965	2,662	135,578	.....	161,123	72,327	.....	9,124

<sup>1</sup> Includes statistics for other cotton-producing localities not named; also for Oklahoma and Virginia in 1893 and for Oklahoma in 1884.

<sup>2</sup> The data for 1920 relate to acreage planted.

<sup>3</sup> Included with Missouri.

<sup>4</sup> The statistics of bales for 1849, 1859, and 1869 are in equivalent 400-pound bales, as expressed in the census reports for those years; those for 1839 are in equivalent bales of 383 pounds, net weight.



TABLE 19.—COTTON-PRODUCING COUNTIES, CLASSIFIED ACCORDING TO QUANTITY OF COTTON GINNED, BY STATES: 1916 TO 1919.

STATE.	Growth year.	NUMBER OF COUNTIES GINNING—						
		Total.	Less than 5,000 bales.	5,000 to 10,000 bales.	10,000 to 15,000 bales.	15,000 to 25,000 bales.	25,000 to 40,000 bales.	40,000 bales and over.
United States.....	1919	887	308	193	112	146	79	49
	1918	899	302	184	123	141	97	52
	1917	877	331	160	108	147	94	37
	1916	875	326	156	122	149	79	43
Alabama.....	1919	67	14	25	13	10	4	1
	1918	67	10	21	16	18	2	.....
	1917	67	29	19	11	7	1	.....
	1916	66	27	16	13	9	1	.....
Arkansas.....	1919	71	19	16	16	12	6	2
	1918	71	18	12	17	14	7	3
	1917	71	16	12	16	20	5	2
	1916	71	17	11	17	15	4	7
Florida.....	1919	28	27	1	.....	.....	.....	.....
	1918	36	36	.....	.....	.....	.....	.....
	1917	25	23	2	.....	.....	.....	.....
	1916	24	21	3	.....	.....	.....	.....
Georgia.....	1919	149	55	26	24	29	14	1
	1918	150	34	28	34	27	23	4
	1917	147	36	33	26	36	14	2
	1916	147	33	36	27	37	13	1
Louisiana.....	1919	53	31	13	6	3	.....	.....
	1918	53	17	11	7	14	3	1
	1917	54	20	8	10	9	6	1
	1916	52	24	11	7	8	1	1
Mississippi.....	1919	80	26	34	2	8	5	5
	1918	80	15	38	6	8	7	6
	1917	79	45	16	3	6	4	5
	1916	78	54	8	4	3	3	6
Missouri.....	1919	11	8	1	.....	1	1	.....
	1918	12	9	1	.....	1	1	.....
	1917	11	8	1	.....	1	1	.....
	1916	11	8	1	.....	1	1	.....
North Carolina.....	1919	73	26	19	8	9	9	2
	1918	74	24	17	12	5	14	2
	1917	74	40	12	6	12	3	1
	1916	74	30	18	10	11	5	.....
Oklahoma.....	1919	59	14	4	10	18	10	3
	1918	61	19	17	11	12	2	.....
	1917	62	16	7	8	14	17	.....
	1916	60	15	7	11	18	9	.....
South Carolina.....	1919	46	2	3	4	12	13	12
	1918	45	.....	4	.....	11	15	15
	1917	45	1	5	4	12	17	6
	1916	45	4	4	8	17	8	4
Tennessee.....	1919	35	15	7	4	8	.....	1
	1918	37	17	8	5	5	1	1
	1917	36	20	7	4	4	1	.....
	1916	34	15	6	4	3	5	1
Texas.....	1919	194	55	43	25	34	16	21
	1918	193	88	26	14	25	21	19
	1917	188	64	35	19	26	25	19
	1916	195	63	33	21	27	28	23
All other states.....	1919	21	16	1	.....	2	1	1
	1918	20	15	1	1	1	1	1
	1917	18	13	3	1	.....	.....	1
	1916	18	15	2	.....	.....	1	.....



Shirley Hughes

## CONSUMPTION AND STOCKS OF COTTON

Consumption of cotton in the United States has increased steadily since 1900, and it is estimated that in 1910 it was 1,000,000 bales. The total production of cotton in the United States in 1910 was 1,200,000 bales, and the total stock of cotton in the United States in 1910 was 1,000,000 bales.

The total consumption of cotton in the United States in 1910 was 1,000,000 bales, and the total production of cotton in the United States in 1910 was 1,200,000 bales. The total stock of cotton in the United States in 1910 was 1,000,000 bales.

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## CONSUMPTION AND STOCKS OF COTTON.

Statistics of cotton consumed and of cotton held have been collected by this bureau since 1905, when annual reports of this character were authorized by Congress. The scope of the inquiry has been extended so that monthly reports are now being collected. Yearly reports were published from 1905 to 1909, four periodical reports each year from 1909 to 1912, and monthly reports since September, 1912.

Table 20 (p. 49) presents comparative statistics for the United States for the years 1906 to 1920, and by states for 1917 to 1920 as to the number of cotton spindles, both total and active, the number of spindles consuming cotton mixed with other fiber the quantities of domestic and foreign cotton and of linters consumed during the cotton year and on hand in consuming establishments at the end of the cotton year.

### SPINDLES.

The term "cotton spindles" is applied only to those spindles which were used exclusively for spinning cotton fiber, including cotton waste and linters, and covers all such spindles, regardless of the character of the establishments in which located. Obviously it does not cover those which consumed cotton mixed with other fibers. The total number of cotton spindles returned for the United States was 35,834,463.

The number operated during the year ending July 31, 1920, as shown in Table 20, was 35,480,953, or 550,019 more than the number for the previous year. There were 353,510 spindles returned as idle, that is, as having consumed no cotton whatever during the year. This number compares with 512,222 in 1919, 398,165 in 1918, 332,417 in 1917, and 527,293 in 1916.

In the total number of cotton spindles Massachusetts exceeds every other state, having 11,758,613, or 32.8 per cent of the total for the United States, in 1920; South Carolina ranks second, with 4,974,460, or 13.9 per cent; North Carolina third, with 4,954,935, or 13.8 per cent; Rhode Island fourth, Georgia fifth, New Hampshire sixth, Connecticut seventh, Alabama eighth, and Maine ninth. No other state reported as many as a million spindles. The states showing the largest net gains during the year were North Carolina, Massachusetts, Virginia, South Carolina, and Georgia, in the order named.

In addition to the spindles designed primarily to spin cotton, 401,718 spindles were returned as having consumed during the year raw cotton mixed with other fibers. The corresponding numbers for previous years were 428,653 in 1919, 446,503 in 1918, 452,525 in 1917, and 405,000 in 1916. The variation in the number of spindles so used is due to the fact that, in some establishments, spindles employed during one year in spinning cotton mixed with some other fiber use no raw cotton whatever during another year. Attention is also called to the fact that a few establishments did not report the number of spindles of this character, stating that the data were not available. The states reporting the largest numbers of spindles that consumed raw cotton mixed with other fibers are those which led in the manufacture of woolen goods and hosiery and knit goods. Of the total number of such spindles reported, 76,660 were returned from Massachusetts, 71,233 from Pennsylvania, 64,841 from New York, and 38,458 from Connecticut.



TABLE 20.—SPINDLES, RAW COTTON AND LINTERS CONSUMED, AND STOCKS HELD IN CONSUMING ESTABLISHMENTS: UNITED STATES, 1906 TO 1920, AND BY STATES, 1917 TO 1920.

[The statistics for 1915 to 1920 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31.]

STATE AND YEAR.	COTTON SPINDLES.		Spindles consuming cotton mixed with other fibers.	COTTON (EXCLUSIVE OF LINTERS).				LINTERS.	
	Total.	Active.		Consumed (bales).		Stocks in consuming establishments at end of year (bales).		Consumed (bales).	Stocks in consuming establishments at end of year (bales).
				Total.	Foreign.	Total.	Foreign.		
United States:									
1920.....	35,834,463	35,480,953	401,718	6,419,734	416,741	1,358,147	149,656	342,473	277,218
1919.....	35,443,156	34,930,934	428,653	5,765,936	176,116	1,303,418	50,648	457,901	266,539
1918.....	34,940,830	34,542,665	446,503	6,566,489	183,794	1,465,223	62,684	1,118,840	138,108
1917.....	34,221,252	33,888,835	452,525	6,788,505	318,261	1,501,916	94,311	869,702	112,972
1916.....	33,333,176	32,805,883	405,000	6,397,613	316,995	1,632,245	142,518	880,916	100,441
1915.....	32,840,730	31,964,235	394,505	5,597,362	222,057	1,401,185	108,782	411,845	198,905
1914.....	32,744,012	32,107,572	414,058	5,577,408	194,309	675,873	64,149	307,325	75,346
1913.....	31,582,679	30,578,528	454,733	5,483,321	232,929	717,704	79,799	303,009	60,454
1912.....	30,803,662	29,522,597	500,206	5,129,346	207,663	818,024	84,776	238,237	52,622
1911.....	28,929,093	28,266,862	456,242	4,498,417	175,430	498,769	81,424	206,561	43,422
1910.....	28,929,093	28,266,862	.....	4,621,742	155,774	493,010	42,337	177,211	40,222
1909.....	28,573,435	28,018,305	558,792	5,091,534	161,738	868,909	65,563	149,185	38,188
1908.....	27,964,387	27,505,422	602,340	4,539,090	149,628	1,594,184	62,303	(1)	(1)
1907.....	26,939,415	26,375,191	651,251	4,984,936	140,368	1,016,738	79,820	(1)	(1)
1906.....	25,811,681	25,250,096	.....	4,909,279	138,475	1,680,471	40,118	(1)	(1)
Alabama:									
1920.....	1,215,268	1,212,516	.....	367,468	.....	56,833	.....	4,776	730
1919.....	1,192,294	1,174,298	.....	326,773	.....	57,242	.....	3,211	778
1918.....	1,169,624	1,168,306	.....	374,792	.....	57,885	.....	12,053	900
1917.....	1,136,786	1,136,786	.....	390,956	.....	64,570	.....	13,451	950
Connecticut:									
1920.....	1,392,547	1,361,911	38,458	135,939	20,925	45,011	9,695	13,119	8,726
1919.....	1,387,517	1,335,391	39,456	124,026	10,510	50,417	4,415	5,857	4,027
1918.....	1,376,554	1,334,656	40,728	138,192	11,905	59,055	5,460	20,075	4,240
1917.....	1,372,860	1,343,916	40,129	145,524	16,871	60,895	5,204	16,363	3,720
Georgia:									
1920.....	2,542,155	2,536,531	6,260	800,901	11,572	134,539	5,891	19,104	4,336
1919.....	2,518,059	2,499,331	7,680	702,676	2,445	136,158	2,132	16,260	1,915
1918.....	2,482,131	2,466,148	6,660	854,078	8,468	122,984	1,262	26,317	5,488
1917.....	2,422,810	2,398,114	6,360	907,015	17,549	145,949	6,210	23,075	7,549
Illinois:									
1920.....	63,168	57,094	4,828	13,006	126	3,000	47	36,564	11,111
1919.....	63,168	57,543	5,652	11,643	90	1,879	27	11,939	4,265
1918.....	63,168	58,355	7,389	12,718	421	2,955	78	12,169	5,365
1917.....	62,168	55,893	6,280	14,226	524	3,742	247	9,402	2,218
Indiana:									
1920.....	87,504	81,756	12,524	14,472	12	3,617	4	5,314	852
1919.....	86,256	81,256	12,908	14,525	.....	2,969	.....	2,155	314
1918.....	85,576	81,656	8,350	17,138	.....	3,340	.....	5,907	735
1917.....	85,576	80,756	6,666	17,940	11	4,072	.....	6,457	771
Kentucky:									
1920.....	95,814	95,078	.....	19,093	.....	4,799	.....	7,268	1,160
1919.....	94,224	93,488	.....	18,671	.....	5,460	.....	2,416	887
1918.....	91,528	91,528	.....	20,627	.....	5,400	.....	2,634	1,138
1917.....	91,244	91,244	.....	23,231	.....	4,896	.....	2,039	2,841
Louisiana:									
1920.....	103,128	103,128	.....	39,543	.....	4,879	.....	2,881	226
1919.....	102,944	102,944	.....	34,147	.....	1,089	.....	1,531	49
1918.....	96,832	96,832	.....	37,106	.....	1,302	.....	837	133
1917.....	93,408	93,408	.....	35,361	.....	634	.....	414	55
Maine:									
1920.....	1,127,138	1,124,822	19,392	194,431	6,920	50,727	4,180	91	.....
1919.....	1,111,940	1,107,052	13,108	157,414	4,031	54,744	1,303	102	13
1918.....	1,096,255	1,090,684	15,948	185,418	4,001	61,834	2,912	138	31
1917.....	1,099,278	1,097,536	12,570	187,150	4,993	61,578	2,611	154	42
Maryland:									
1920.....	145,460	142,792	3,900	66,364	87	5,342	520	1,708	368
1919.....	145,208	140,940	.....	65,091	.....	5,160	.....	780	150
1918.....	153,531	148,863	.....	72,090	.....	9,667	.....	994	240
1917.....	147,764	146,920	9,000	81,161	14	8,743	1	1,371	156
Massachusetts:									
1920.....	11,758,613	11,560,720	76,660	1,454,325	238,772	358,634	61,141	7,897	1,646
1919.....	11,630,397	11,376,303	87,288	1,324,815	84,142	354,528	19,111	6,069	832
1918.....	11,512,247	11,312,816	81,622	1,459,291	80,118	420,091	16,865	33,822	3,880
1917.....	11,280,351	11,096,275	85,094	1,459,209	171,779	429,596	31,588	32,285	5,025

1 Linters consumed and on hand included under "Cotton." Separate statistics not available.



TABLE 20.—SPINDLES, RAW COTTON AND LINTERS CONSUMED, AND STOCKS HELD IN CONSUMING ESTABLISHMENTS: UNITED STATES, 1906 TO 1919, AND BY STATES, 1917 TO 1920—Continued.

STATE AND YEAR.	COTTON SPINDLES.		Spindles consuming cotton mixed with other fibers.	COTTON (EXCLUSIVE OF LINTERS).				LINTERS.	
	Total.	Active.		Consumed (bales).		Stocks in consuming establishments at end of year (bales).		Consumed (bales).	Stocks in consuming establishments at end of year (bales).
Mississippi:									
1920.....	174,714	162,876	.....	36,425	.....	5,144	.....	2,781	561
1919.....	155,756	143,874	.....	32,945	.....	4,898	.....	6,443	106
1918.....	166,932	155,050	.....	36,640	.....	3,248	.....	24,302	2,420
1917.....	167,604	144,882	.....	38,647	.....	4,369	.....	19,100	1,891
New Hampshire:									
1920.....	1,443,776	1,436,748	30,360	294,289	21,900	87,155	6,720	44	10
1919.....	1,444,074	1,433,955	34,782	267,501	12,221	70,451	3,645	.....	.....
1918.....	1,462,462	1,435,528	33,835	310,478	12,407	109,759	7,841	.....	.....
1917.....	1,459,853	1,445,760	38,787	317,881	16,425	89,991	5,648	.....	.....
New Jersey:									
1920.....	417,837	411,165	.....	37,075	14,407	12,838	7,925	9,358	4,411
1919.....	489,647	480,367	.....	38,007	11,928	11,463	3,925	14,929	2,365
1918.....	487,755	487,755	.....	49,518	12,863	14,626	4,291	45,449	6,971
1917.....	491,843	489,817	7,168	54,111	15,325	21,179	8,680	65,881	3,580
New York:									
1920.....	997,542	992,678	64,841	233,729	4,007	43,502	277	18,268	5,781
1919.....	980,321	976,589	63,575	209,048	2,131	41,661	422	10,768	3,638
1918.....	983,893	979,509	56,533	240,310	2,076	62,659	640	10,190	4,135
1917.....	938,158	930,493	60,435	238,081	4,048	62,652	894	8,159	1,529
North Carolina:									
1920.....	4,954,535	4,953,889	10,362	1,149,241	18,536	189,456	5,374	4,901	4,671
1919.....	4,789,322	4,770,128	9,312	1,035,717	6,486	184,877	1,285	2,049	3,913
1918.....	4,591,026	4,570,222	6,380	1,183,275	5,099	182,664	7,080	3,039	1,776
1917.....	4,375,283	4,368,121	7,244	1,209,670	6,774	184,570	1,188	2,659	268
Pennsylvania:									
1920.....	259,715	242,215	71,233	41,739	4,392	8,333	932	33,095	15,900
1919.....	266,003	251,833	77,094	37,180	1,877	10,088	999	14,143	4,414
1918.....	262,896	245,864	112,298	46,906	2,354	11,928	1,167	31,846	5,971
1917.....	256,314	249,270	95,307	53,156	4,124	12,429	861	37,030	7,056
Rhode Island:									
1920.....	2,675,892	2,658,415	1,440	305,240	71,733	114,732	43,387	551	1,347
1919.....	2,678,180	2,671,932	1,440	279,297	39,125	91,288	13,130	54,515	23,324
1918.....	2,683,451	2,675,172	.....	296,913	42,328	120,499	14,431	186,379	17,547
1917.....	2,653,397	2,641,617	1,440	291,063	55,954	124,801	29,857	190,964	17,131
South Carolina:									
1920.....	4,974,460	4,966,460	.....	843,924	2,095	147,521	2,376	3,277	496
1919.....	4,955,765	4,910,205	4,584	764,794	.....	146,792	.....	1,371	722
1918.....	4,903,840	4,878,396	4,584	888,218	.....	147,833	.....	4,314	723
1917.....	4,851,161	4,851,161	3,080	962,566	.....	147,200	.....	3,326	508
Tennessee:									
1920.....	399,963	397,329	15,118	108,373	183	22,728	100	15,617	57,969
1919.....	373,695	368,539	15,438	92,052	90	21,228	.....	61,572	66,305
1918.....	367,503	363,699	15,438	104,842	81	22,111	52	36,076	5,264
1917.....	350,352	349,548	20,927	108,782	72	20,719	40	25,722	2,567
Texas:									
1920.....	143,054	143,054	.....	64,333	.....	11,293	.....	19,814	4,425
1919.....	140,054	140,054	.....	60,995	.....	11,079	.....	9,305	1,275
1918.....	132,236	132,236	.....	63,978	.....	9,549	.....	19,411	6,065
1917.....	128,112	127,888	.....	63,235	48	8,706	.....	16,350	2,677
Vermont:									
1920.....	144,808	144,808	11,604	12,902	374	4,850	381	.....	.....
1919.....	141,224	141,224	11,284	11,978	96	4,288	64	.....	.....
1918.....	135,864	135,864	11,284	12,228	122	5,683	45	.....	.....
1917.....	135,864	135,864	11,284	13,545	1,052	5,200	119	.....	.....
Virginia:									
1920.....	575,610	573,610	2,108	112,747	.....	22,036	.....	11,771	59,613
1919.....	580,310	559,490	2,888	94,264	.....	23,262	.....	169,436	67,514
1918.....	524,194	522,694	288	97,457	.....	18,401	1	555,957	30,579
1917.....	528,394	520,894	1,038	110,964	.....	20,381	.....	316,503	30,405
All other states:									
1920.....	141,362	121,358	32,630	74,175	700	21,178	706	124,274	92,879
1919.....	116,798	114,198	44,764	62,377	944	12,397	190	63,050	73,733
1918.....	111,332	110,832	45,166	64,276	1,551	12,250	559	86,931	34,498
1917.....	92,672	92,672	39,766	65,031	2,698	15,044	1,163	78,988	22,033



*Localization of cotton spinning.*—The importance of the cotton-spinning industry in certain localities is shown by the following table. This table gives the total number of spindles in each county having more than 100,000 producing cotton spindles, the counties being arranged in the order of their importance in this respect.

TABLE 21.—COUNTIES IN THE UNITED STATES HAVING MORE THAN 100,000 COTTON SPINDLES EACH, ARRANGED IN ORDER OF NUMBER OF SPINDLES: 1920.

COUNTY.	Spindles (number).	COUNTY.	Spindles (number).	COUNTY.	Spindles (number).
Bristol, Mass.	7,632,003	Mecklenburg, N. C.	289,230	Stanley, N. C.	158,000
Providence, R. I.	1,774,484	Guilford, N. C.	277,972	Alamance, N. C.	157,804
Middlesex, Mass.	1,137,920	Richland, S. C.	244,990	Richmond, N. C.	156,332
Hillsborough, N. H.	893,892	Madison, Ala.	240,622	Lancaster, S. C.	151,768
Spartanburg, S. C.	853,504	York, S. C.	235,494	Chester, S. C.	148,908
Windham, Conn.	769,028	Essex, N. J.	228,423	Calhoun, Ala.	145,368
Gaston, N. C.	767,314	Albany, N. Y.	226,564	Cleveland, N. C.	144,094
Greenville, S. C.	765,232	Greenwood, S. C.	226,032	Troup, Ga.	138,768
Worcester, Mass.	756,200	Bristol, R. I.	213,000	Halifax, N. C.	133,350
Hamden, Mass.	681,872	Pickens, S. C.	211,312	Cumberland, Me.	123,871
Essex, Mass.	681,296	Fulton, Ga.	206,196	Catawba, N. C.	123,040
Anderson, S. C.	584,764	Hampshire, Mass.	204,456	Talladega, Ala.	122,182
Kent, R. I.	548,488	Rockingham, N. C.	200,718	Spalding, Ga.	121,664
New London, Conn.	544,139	Aiken, S. C.	195,736	Floyd, Ga.	118,048
Berkshire, Mass.	541,350	Laurens, S. C.	193,312	Davidson, N. C.	116,512
Oneida, N. Y.	455,562	Richmond, Ga.	192,416	Merrimack, N. H.	112,356
Androscoggin, Me.	431,615	Newberry, S. C.	181,816	Rowan, N. C.	112,108
York, Me.	408,600	Rutherford, N. C.	181,612	McDowell, N. C.	108,416
Muscookee, Ga.	374,728	Knox, Tenn.	181,280	Philadelphia, Pa.	103,844
Pittsylvania, Va.	372,336	Chambers, Ala.	178,500	Hall, Ga.	103,660
Cabarrus, N. C.	354,968	Durham, N. C.	173,687	Orleans, La.	103,128
Union, S. C.	330,384	Cherokee, S. C.	168,296	Vance, N. C.	101,576
Strafford, N. H.	321,284	Kennebec, Me.	163,052		

In the 68 counties in the United States which had more than 100,000 cotton spindles each, the total number of such spindles was 29,600,476, or 82.6 per cent of the aggregate for the country. Of these counties, 3, with a total of 10,544,407 spindles, or 29.4 per cent of the aggregate for the United States, had more than 1,000,000 spindles each; 12, with 8,387,079, or 23.4 per cent of the aggregate, 500,000 but less than 1,000,000 each; 21, with 6,054,486, or 16.9 per cent of the aggregate, 200,000 but less than 500,000 each; and 32, with 4,614,504, or 12.9 per cent of the aggregate, 100,000 but less than 200,000 each. Of the 68 counties, 17 are in North Carolina, 14 in South Carolina, 7 each in Georgia and Massachusetts, 4 each in Alabama and Maine, 3 each in New Hampshire and Rhode Island, 2 each in Connecticut and New York, and 1 each in Louisiana, New Jersey, Pennsylvania, Tennessee, and Virginia.

Bristol County, Mass., with 7,632,003 cotton spindles, led all other counties, having 64.9 per cent of the total spindle capacity for Massachusetts, 41.2 per cent of the total for New England, and 21.3 per cent of the total for the United States. The industry was established in this county at an early date, and it has long maintained a leading position. Fall River, the most important city in the United States from a cotton manufacturing standpoint, is located in this county, as well as the cities of New Bedford and Taunton and a number of towns engaged largely in the manufacture of cotton. Providence County, R. I., with 1,774,484 cotton spindles, held second place, and Middlesex County, Mass., with 1,137,920 cotton spindles, third. In the Southern states, Anderson, Greenville, and Spartanburg Counties, in the western part of South Carolina, and Gaston County, in North Carolina, are the only ones with more than 500,000 cotton spindles each, Spartanburg County having the largest number, 853,504. Muscookee County, Ga., with 374,728 spindles, Pittsylvania County, Va., with 372,336 spindles, Madison County, Ala., with 240,622, Knox County, Tenn., with 181,280, and Orleans Parish, La., with 103,128, held first rank in their respective states.

The relative standing of any county in the cotton manufacturing industry as a whole depends largely upon whether the factories are devoted to spinning only or to both spinning and weaving. In some counties the mills make a specialty of



spinning yarn which is used elsewhere, while in others practically all the yarn spun is used in the county, and in still others the operations are largely confined to weaving and otherwise using yarns spun elsewhere.

*Ring and mule spindles.*—Table 22 shows the number of active ring and mule cotton spindles in the United States for selected years from 1889 to 1920, and Table 23 the number, by states, for 1899, 1909, and 1920.

TABLE 22.—NUMBER OF ACTIVE RING AND MULE COTTON SPINDLES IN THE UNITED STATES FOR SELECTED YEARS: 1889 TO 1920.

YEAR.	Total.	Ring.	Mule.
1920.....	35,480,953	32,222,325	3,258,628
1919.....	34,930,934	31,561,268	3,369,666
1918.....	34,542,665	31,020,749	3,521,916
1917.....	33,888,835	30,264,074	3,624,761
1916.....	32,805,883	29,094,263	3,711,620
1915.....	31,964,235	28,122,792	3,841,443
1914.....	32,107,572	28,016,390	4,091,182
1913.....	31,519,766	27,380,573	4,139,193
1912.....	30,578,528	26,211,979	4,366,549
1910.....	29,188,945	24,192,359	4,996,586
1909.....	28,178,862	23,256,023	4,922,839
1904.....	23,672,064	18,218,800	5,453,264
1899.....	19,008,352	13,444,872	5,563,480
1889.....	14,188,103	8,824,617	5,363,486

TABLE 23.—NUMBER OF ACTIVE RING AND MULE COTTON SPINDLES, BY STATES, FOR SPECIFIED YEARS: 1920, 1909, AND 1899.

STATE.	NUMBER OF ACTIVE COTTON SPINDLES.					
	1920		1909		1899	
	Ring.	Mule.	Ring.	Mule.	Ring.	Mule.
United States.....	32,222,325	3,258,628	23,256,023	4,922,839	13,444,872	5,563,480
Alabama.....	1,208,882	3,634	909,587	3,916	403,328	8,000
Connecticut.....	953,003	408,908	832,830	446,586	607,448	393,126
Georgia.....	2,487,861	48,670	1,703,071	71,896	730,619	84,926
Illinois.....	43,644	13,450	23,240	16,000	15,488	16,000
Indiana.....	81,756	.....	115,152	8,952	86,168	16,320
Kentucky.....	79,808	15,270	68,124	16,920	48,234	18,399
Louisiana.....	103,128	.....	63,096	4,806	55,600	.....
Maine.....	1,082,662	42,160	867,364	161,316	584,573	256,948
Maryland.....	142,792	.....	133,362	.....	154,064	.....
Massachusetts.....	9,968,190	1,592,530	7,480,902	2,156,699	5,228,371	2,556,316
Mississippi.....	162,876	.....	159,104	800	75,122	.....
Missouri.....	31,708	.....	30,304	440	13,654	.....
New Hampshire.....	1,413,740	23,008	1,169,850	156,050	956,390	287,165
New Jersey.....	154,153	257,012	107,381	313,403	64,638	367,092
New York.....	893,394	99,284	547,512	415,329	353,132	367,136
North Carolina.....	4,917,919	35,970	2,886,453	71,782	1,098,080	35,352
Pennsylvania.....	155,818	86,397	139,062	139,245	182,190	124,447
Rhode Island.....	2,060,311	598,104	1,496,454	875,343	940,294	940,328
South Carolina.....	4,963,600	2,860	3,732,063	28,828	1,420,597	10,752
Tennessee.....	383,208	14,121	237,530	10,000	103,116	20,780
Texas.....	143,054	.....	97,628	.....	48,756	.....
Vermont.....	134,608	10,200	75,872	15,840	56,712	43,316
Virginia.....	566,560	7,050	316,970	7,572	124,502	2,325
All other states.....	89,650	.....	63,192	1,116	93,796	14,752

Of the 35,834,463 active cotton spindles in the United States reported for 1920, only 3,258,628, or 9.1 per cent, were mule spindles. This compares with 4,922,839, or 17.5 per cent of the total, in 1909, and 5,563,480, or 29.3 per cent, in 1899. The table shows a continuous decrease not only in the actual number but also and to a greater degree in the proportion. The tendency to displace mule spindles with frame shows no diminution, as during the past year a number of establishments have



followed this practice. Because of the ease with which ring spindles can be operated, manufacturers use frames rather than mules whenever it is practicable. In fact, new mules are seldom installed, except when fine filling yarns, soft-twisted knitting yarns, or very coarse yarns made from short-staple cotton or waste are to be spun. Since some yarns requiring special qualities can not be made satisfactorily by the use of ring spindles, there will always be a demand for mule spindles unless difficulties heretofore met with in the use of ring spindles can be overcome.

The use of mule spindles is confined largely to the New England states, which reported 82.1 per cent of the total number for the country in 1920, most of the remainder being in New York and New Jersey, and only 127,575 being returned for the cotton-growing states.

#### COTTON CONSUMED.

The statistics for cotton consumed, presented in Table 20, cover all establishments which use raw cotton. The figures are expressed in running bales, except that round bales are counted as half bales and that foreign cotton has been reduced to equivalent 500-pound bales. The quantity of cotton consumed in the United States during the year ending July 31, 1920, was 6,419,734 bales, compared with 5,765,936 bales in 1919; 6,566,489 bales in 1918; 6,788,505 bales in 1917; and 6,397,613 bales in 1916. It was the third largest amount ever consumed in a single year, being exceeded only by 1917 and 1918. Massachusetts, with 1,454,325 bales, leads all the other states in the quantity of cotton consumed; North Carolina, with 1,149,241 bales, is second; South Carolina, with 843,924 bales, third; and Georgia, with 800,901 bales, fourth. Massachusetts, with 238,772 bales, shows a larger consumption of foreign cotton than all of the other states combined, Rhode Island, with 71,733 bales, being second.

*Kinds of cotton used.*—The statistics as to raw cotton consumed and stocks held in manufacturing establishments for 1917 to 1920, which are presented in Table 20, are shown only as domestic and foreign cotton. In Table 24 the statistics are further segregated, so as to show the consumption of the different kinds and the amount of each kind held in consuming establishments. The table also shows the amount for the group of "Cotton-growing states" and the group of "All other states."

Of the total consumption of cotton in the United States during the year ending July 31, 1920, 5,960,022 bales were upland, 42,971 sea-island, and 416,741 foreign. In the cotton-growing states the consumption was 3,582,919 bales, and in all other states 2,836,815 bales.

Nearly all of the cotton consumed in the United States is domestic upland cotton. The term "upland" is applied to all cotton produced in this country, except sea-island cotton, and includes the long-staple upland varieties, which constitute a larger proportion than formerly. The manufacturers in the cotton-growing states use very little sea-island or foreign cotton, having consumed only 42,264 bales of both kinds combined in 1920, which compares with 16,942 bales in 1919. Nearly one-half of the sea-island cotton consumed in the United States was reported from Massachusetts. Connecticut, Rhode Island, Georgia, North Carolina, and South Carolina follow in the order of quantity used. Establishments engaged in the manufacture of thread and of automobile tires and those which spin yarns designed for these purposes report the largest consumption of this kind of cotton.

A very large proportion of the foreign cotton consumed in the United States is Egyptian. In this country it is used principally for mercerizing and for other processes that give a high finish to cloth; in the manufacture, without dyeing, of balbriggan underwear and lace curtains in which the ecru shade is desired; for automobile tires; and in the manufacture of sewing thread and other similar articles which require a long fiber of great strength. Egyptian cotton is said to be freer from trash and short fibers than American cotton, and for this reason to yield less waste in combing and carding. Rough Peruvian cotton is used to some extent for mixing with wool in the making of wool textiles, while Chinese and Indian cotton are used to a very limited extent for mixing with the American upland cotton in the manufacture of the cheaper grades of goods.



TABLE 24.—QUANTITY OF THE SEVERAL KINDS OF RAW COTTON CONSUMED AND OF STOCKS HELD IN CONSUMING ESTABLISHMENTS: 1917 TO 1920.

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. Linters are not included.]

KIND AND LOCALITY.	RAW COTTON CONSUMED DURING YEAR (BALES).				STOCKS HELD IN CONSUMING ESTABLISH- MENTS AT END OF YEAR (BALES).			
	1920	1919	1918	1917	1920	1919	1918	1917
United States...	6,419,734	5,765,936	6,566,489	6,788,505	1,358,147	1,303,418	1,465,223	1,501,916
Domestic:								
Upland.....	5,960,022	5,538,637	6,296,756	6,375,953	1,193,837	1,233,284	1,382,539	1,371,123
Sea-land.....	42,971	51,183	85,939	94,291	14,654	19,486	20,000	36,482
Foreign:								
Egyptian.....	323,124	126,087	136,401	259,160	117,300	36,858	35,917	75,250
Peruvian.....	36,977	9,128	8,502	12,800	7,624	4,148	2,167	1,965
Chinese.....	42,065	33,803	35,637	42,612	20,030	8,191	21,710	15,188
Other.....	14,575	7,098	3,254	3,689	4,702	1,451	2,890	1,908
Cotton-growing states.....	3,582,919	3,199,027	3,697,098	3,888,348	612,793	599,151	577,563	609,090
Domestic:								
Upland.....	3,540,655	3,182,085	3,670,198	3,836,749	595,072	589,451	564,362	594,820
Sea-land.....	9,665	7,760	13,022	26,724	3,583	6,228	4,677	6,568
Foreign:								
Egyptian.....	19,718	2,296	8,468	18,022	8,517	2,016	1,407	6,210
Peruvian.....	3,577	210	.....	.....	1,892	163	1	.....
Chinese.....	9,180	6,676	5,410	6,805	3,963	1,293	7,116	1,492
Other.....	124	.....	.....	48	266	.....	.....	.....
All other states.	2,836,815	2,566,909	2,869,391	2,900,157	745,354	704,267	887,660	892,826
Domestic:								
Upland.....	2,419,367	2,356,552	2,626,558	2,539,204	598,765	643,833	818,177	776,303
Sea-land.....	33,306	43,423	72,917	67,567	11,071	13,258	15,323	29,914
Foreign:								
Egyptian.....	303,406	123,791	127,933	241,138	108,783	34,842	34,510	69,040
Peruvian.....	33,400	8,918	8,502	12,800	6,232	3,985	2,166	1,965
Chinese.....	32,885	27,127	30,227	35,807	16,067	6,898	14,594	13,696
Other.....	14,451	7,098	3,254	3,641	4,436	1,451	2,890	1,908

<sup>1</sup> Includes 45,867 bales of American-Egyptian consumed during the 12 months ending July 31 and 9,288 bales held in consuming establishments July 31.

## LINTERS CONSUMED.

While formerly the larger part of linters produced in the United States was consumed in the manufacture of mattresses and bedding, practically all of the increased production during the war was consumed in the manufacture of guncotton and smokeless powder. The increased demand for munitions led to action on the part of the Government, practically prohibiting the use of linters in other lines of manufacture. The oil mills cooperated with the Government, and practically all linters produced were turned over to the proper officials for allocation. Accordingly fewer linters were used for mattresses and bedding during the war than before. According to Table 20, the quantity of linters consumed in 1920 was 342,473 bales, which compares with 457,901 bales in 1919, 1,118,840 bales in 1918, 869,702 bales in 1917, 880,916 bales in 1916, and 411,845 bales in 1915.

## GROWTH OF THE COTTON INDUSTRY.

Table 25 shows the production and consumption of cotton and linters in the United States and the number of active cotton spindles for specified years from 1840 to 1920. These statistics of consumption and active spindles are a measure of the growth of cotton manufacturing. Since 1890 the number of spindles in the United States has more than doubled, while the quantity of cotton and linters consumed in 1918 was slightly more than three times that for 1890.



The most significant fact brought out by this table is the rapid growth of the industry in the cotton-growing states. In 1880 there were only 561,360 active cotton spindles in these states, and the quantity of cotton consumed was 188,748 bales. In 1920, 15,230,983 spindles were operated, and the quantity of cotton and linters consumed in 1918 was 4,414,052 bales. Between 1900 and 1918 the consumption in these states almost trebled, while in the New England states it increased 38.4 per cent, and in all other states 42.6 per cent. The consumption in 1900 in the cotton-growing states amounted to 39.3 per cent of the total for the country, compared with 49.3 per cent for the New England states and 11.4 per cent for all other states. For the year ending July 31, 1918, the consumption in the cotton-growing states formed 57.4 per cent of the total for the country; that in the New England states 34.4 per cent; and that in all other states 8.2 per cent. Of the total number of spindles operated during 1920, 42.9 per cent were in the cotton-growing states, 51.6 per cent in the New England states, and 5.5 per cent in all other states.

TABLE 25.—PRODUCTION AND CONSUMPTION OF COTTON AND NUMBER OF ACTIVE COTTON SPINDLES IN THE UNITED STATES, BY SECTIONS, FOR SPECIFIED YEARS: 1940 TO 1920.

[The quantities are given in running bales, except those for production in 1850, 1860, and 1870, which are in equivalent 400-pound bales, and those for consumption from 1840 to 1870, and for foreign cotton, which are in equivalent 500-pound bales. Linters are included.]

YEAR.	Cotton produced (bales). <sup>1</sup>	COTTON CONSUMED (BALES).				ACTIVE COTTON SPINDLES.			
		United States.	Cotton-growing states.	New England states.	All other states.	United States.	Cotton-growing states.	New England states.	All other states.
1920...	11,920,625	6,762,207	3,714,403	2,418,828	628,976	35,480,953	15,230,983	18,287,424	1,962,546
1919...	12,816,716	6,223,837	3,491,008	2,231,574	501,255	34,930,984	14,846,239	18,065,857	2,018,888
1918...	12,344,664	7,685,329	4,414,052	2,642,934	628,343	34,542,665	14,529,063	17,984,720	2,028,882
1917...	12,664,078	7,658,207	4,335,007	2,654,138	669,062	33,888,835	14,155,768	17,760,968	1,972,109
1916...	12,012,813	7,278,529	3,977,130	2,627,150	674,249	32,805,883	13,382,065	17,474,264	1,949,554
1915...	16,738,241	6,009,207	3,193,353	2,197,220	618,634	31,964,235	12,955,712	17,100,615	1,907,908
1914...	14,613,964	5,884,733	3,023,415	2,251,041	610,277	32,107,572	12,711,303	17,408,372	1,987,897
1913...	14,090,863	5,786,390	2,960,518	2,210,813	614,999	31,519,766	12,227,226	17,311,451	1,981,089
1912...	16,109,349	5,367,583	2,712,223	2,108,360	547,000	30,578,528 <sup>2</sup>	11,582,869	17,139,945	1,855,714
1911...	11,965,962	4,704,978	2,328,487	1,911,092	465,399	29,522,597	11,084,623	16,510,981	1,926,993
1910...	10,386,209	4,798,953	2,292,333	2,016,386	490,234	28,266,862	10,494,112	15,735,086	2,037,664
1909...	13,432,131	5,240,719	2,553,797	2,144,448	542,474	28,018,305	10,429,200	15,591,851	1,997,254
1908...	11,325,882	4,539,090	2,187,099	1,894,835	457,159	27,505,422	10,200,903	15,329,333	1,975,186
1907...	13,305,265	4,984,936	2,410,993	2,073,355	500,588	26,375,191	9,527,964	14,912,517	1,934,710
1906...	10,725,602	4,909,279	2,373,577	2,059,900	475,802	25,250,096	8,994,868	14,407,580	1,847,648
1905...	13,697,310	4,278,980	2,140,151	1,753,282	385,547	23,687,495	7,631,331	14,202,971	1,853,193
1900...	9,705,786	3,873,165	1,523,168	1,909,498	440,499	19,472,232	4,367,688	13,171,377	1,933,167
1890...	7,472,511	2,518,409	538,895	1,502,177	477,337	14,384,180	1,570,288	10,934,297	1,879,595
1880...	5,755,350	<sup>3</sup> 1,570,344	<sup>3</sup> 188,748	<sup>3</sup> 1,129,498	<sup>3</sup> 252,098	<sup>3</sup> 10,653,435	<sup>3</sup> 561,360	<sup>3</sup> 8,632,087	<sup>3</sup> 1,459,988
1870...	3,011,996	796,616	68,702	551,250	176,664	7,132,415	327,871	5,498,308	1,306,236
1860...	5,387,052	845,410	93,553	567,403	184,454	5,235,727	324,052	3,858,962	1,052,713
1850...	2,469,093	575,506	78,140	430,603	66,763	3,998,022	264,571	2,958,536	774,915
1840...	2,063,915	236,525	71,000	158,708	6,817	2,284,631	180,927	1,597,394	506,310

<sup>1</sup> Relates to crop of preceding year.

<sup>2</sup> Does not include foreign cotton.

<sup>3</sup> Cotton mills only.

#### STOCKS OF COTTON.

The quantity of baled cotton held in the United States on July 31, 1920, as shown in Table 1, was 3,563,162 bales, which compares with 4,286,785 bales in 1919, 3,450,188 bales in 1918, 2,720,173 bales in 1917, 3,139,709 bales in 1916, 3,936,104 bales in 1915, and 1,365,864 bales in 1914. The amount shows a considerable reduction from the record carry over in 1919. The segregation of stocks shown in this and succeeding tables is based upon the location of the cotton and not upon the ownership or the locality of growth. For instance, cotton in warehouses connected with the mills is classed as in consuming establishments, while cotton in independent warehouses and other public storage places and at compresses comprises all cotton held in such establishments, re-



gardless of its ownership. Statistics of stocks held in consuming establishments at the end of the cotton years are shown in Table 20, by states, for the years 1917 to 1920. The amounts held on July 31 are 1,358,147 bales in 1920, compared with 1,303,418 bales in 1919, 1,465,223 bales in 1918, 1,501,916 bales in 1917, 1,632,245 bales in 1916, 1,401,185 bales in 1915, and 905,762 bales in 1914.

MONTHLY REPORTS OF COTTON AND LINTERS CONSUMED AND ON HAND AND ACTIVE COTTON SPINDLES.

Table 26 presents statistics of cotton and linters consumed during each month and on hand in consuming establishments and in public storage and at compresses at the end of each month from August, 1916, to July, 1920, inclusive.

The quantity of cotton consumed, shown in Table 26, varies considerably from month to month. Such variations are naturally to be expected. The consumption of no establishment is uniform from week to week or month to month, because of the exigencies of supply and demand, and the shifting of machinery to yarns of different counts. However, these variations in monthly totals are affected somewhat by the number of working days in the months.



TABLE 26.—COTTON AND LINTERS CONSUMED AND ON HAND IN CONSUMING ESTABLISHMENTS AND IN PUBLIC STORAGE AND AT COMPRESSES, BY MONTHS: AUGUST, 1916, TO JULY, 1920, INCLUSIVE.

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales.]

MONTH.	Year.	COTTON.						LINTERS.		
		Consumed.			On hand.			Consumed.	On hand.	
		Total.	In cotton-growing states.	In all other states.	In consuming establishments.		In public storage and at compresses.		In consuming establishments.	In public storage and at compresses.
					In cotton-growing states.	In all other states.				
August.....	1919	497,319	268,583	228,736	480,850	652,515	1,816,596	21,718	262,454	224,141
	1918	534,971	298,356	236,615	395,121	820,711	1,804,500	101,299	153,661	115,698
	1917	569,488	330,609	238,819	389,685	789,487	746,707	78,896	114,300	144,891
	1916	557,780	318,493	239,287	529,988	833,147	971,578	72,118	81,709	75,465
September.....	1919	491,069	277,560	213,509	469,336	598,634	2,502,307	23,182	251,102	227,185
	1918	489,962	281,727	208,235	450,210	735,571	2,981,228	96,791	160,423	113,496
	1917	522,389	299,294	223,095	297,908	661,244	1,575,786	89,171	100,736	100,398
	1916	528,288	304,392	223,896	601,043	727,325	2,614,365	61,949	72,723	82,423
October.....	1919	556,041	305,376	250,665	850,561	514,578	3,687,141	26,008	245,570	235,361
	1918	440,354	231,475	208,879	788,139	711,188	3,941,945	97,090	136,479	83,418
	1917	584,946	324,528	260,418	530,058	545,801	3,031,980	100,155	69,743	93,754
	1916	550,655	312,888	237,767	1,024,029	697,961	3,667,840	67,228	67,435	77,207
November.....	1919	491,250	280,439	210,811	1,056,180	586,245	4,063,176	25,514	256,425	246,078
	1918	455,611	257,750	197,861	893,677	777,591	4,370,348	63,366	198,186	90,005
	1917	590,427	332,504	257,923	867,082	538,629	3,763,138	80,948	90,937	114,666
	1916	583,044	333,029	250,015	1,348,708	847,794	4,088,797	66,600	93,999	124,745
December.....	1919	511,711	271,703	240,008	1,116,005	720,698	4,164,208	25,031	269,190	265,739
	1918	472,908	254,914	217,994	910,143	841,581	4,671,085	10,185	251,398	138,502
	1917	516,498	286,719	229,779	995,053	581,473	3,810,681	75,449	111,447	142,488
	1916	536,675	307,682	228,993	1,390,939	974,626	4,128,822	70,086	106,728	142,950
January.....	1920	591,921	330,793	261,128	1,105,967	846,359	3,758,329	27,243	276,546	324,965
	1919	556,883	310,234	246,649	814,541	855,842	4,594,228	7,151	284,137	157,897
	1918	523,947	302,098	221,849	1,060,997	594,182	3,609,092	69,817	131,063	172,285
	1917	601,381	349,959	251,422	1,294,230	1,011,808	3,725,790	76,205	110,706	151,613
February.....	1920	515,699	291,481	224,218	1,069,277	800,091	3,530,654	26,893	283,206	368,978
	1919	433,295	252,844	180,451	712,703	844,951	4,537,411	8,704	278,359	186,910
	1918	510,084	296,366	213,718	1,063,673	632,282	3,399,406	87,961	158,342	200,298
	1917	547,174	312,481	234,693	1,164,463	1,003,380	3,431,150	63,871	107,715	199,371
March.....	1920	575,789	321,296	254,493	1,030,804	823,192	3,240,197	31,597	304,280	401,955
	1919	433,485	248,269	185,216	669,638	791,249	4,327,905	10,401	277,344	199,887
	1918	571,443	313,264	258,179	1,064,414	656,022	3,250,951	109,267	145,766	255,541
	1917	603,919	342,217	261,702	1,069,886	984,018	2,914,946	72,829	126,599	253,326
April.....	1920	566,914	316,787	250,127	969,824	841,703	2,978,158	30,397	288,842	395,129
	1919	475,875	259,444	216,431	646,186	733,206	3,976,257	11,748	273,748	211,326
	1918	544,125	305,538	238,587	1,016,897	996,891	2,828,126	106,232	154,155	279,973
	1917	552,244	321,797	230,447	1,036,484	996,872	2,503,411	69,999	131,807	259,288
May.....	1920	541,377	310,516	230,861	878,224	820,609	2,586,868	32,072	282,881	393,372
	1919	487,934	271,989	215,945	673,217	718,104	3,416,607	13,715	272,614	213,679
	1918	575,862	317,266	258,596	888,225	905,070	2,404,223	110,543	168,084	276,972
	1917	615,412	351,240	264,172	918,247	980,907	1,951,042	82,746	128,890	255,148
June.....	1920	555,155	313,274	241,881	756,964	797,310	2,301,016	35,243	269,658	377,236
	1919	474,330	258,820	215,510	635,910	727,139	2,765,771	15,083	263,804	207,781
	1918	515,823	285,401	230,422	742,829	930,800	2,116,193	102,496	154,455	285,785
	1917	574,110	327,962	246,148	788,402	955,125	1,402,403	80,338	129,385	232,865
July.....	1920	525,489	295,111	230,378	612,793	745,354	2,055,015	37,575	277,218	382,432
	1919	510,328	273,205	237,123	599,151	704,267	2,208,367	22,368	266,539	227,358
	1918	541,457	303,451	238,006	577,563	887,660	1,734,965	107,905	138,108	236,809
	1917	537,823	306,208	231,615	609,090	892,826	888,257	85,733	112,972	230,687



Prior to September, 1914, there was very little variation in the monthly consumption of linters. Following the outbreak of war there was a very heavy increase, owing to the use of linters in the manufacture of guncotton and smokeless powder. However, with the signing of the armistice in November, 1918, the use of linters for that purpose in the United States almost ceased. There has consequently been a large increase in the stocks of linters held in consuming establishments and in public storage.

*Active cotton spindles.*—Table 27 shows, for each month since August, 1916, the number of active cotton spindles in the United States, in the cotton-growing states, and in all other states. The inquiries called for the number of cotton spindles operated at any time during the month, and the figures in the table give the totals for the different months. However, it is possible that, in a few instances, the average number of spindles was reported instead of the total number which had been in use.

TABLE 27.—ACTIVE CONSUMING COTTON SPINDLES, BY MONTHS: AUGUST, 1916, TO JULY, 1920.

MONTH.	ACTIVE COTTON SPINDLES (NUMBER).			MONTH.	ACTIVE COTTON SPINDLES (NUMBER).		
	Total.	In cotton-growing states.	In all other states.		Total.	In cotton-growing states.	In all other states.
August:				February:			
1919.....	34,205,180	14,534,168	19,671,012	1920.....	34,655,677	14,960,963	19,694,714
1918.....	33,601,305	14,316,872	19,284,433	1919.....	33,282,015	14,382,474	18,899,541
1917.....	33,428,439	14,124,708	19,303,731	1918.....	33,592,222	14,289,476	19,302,746
1916.....	32,292,103	13,362,757	18,929,346	1917.....	33,122,450	13,777,236	19,345,214
September:				March:			
1919.....	34,219,991	14,646,181	19,573,810	1920.....	34,697,812	14,976,123	19,721,689
1918.....	33,488,181	14,307,368	19,180,813	1919.....	32,654,386	14,305,152	18,349,234
1917.....	33,535,308	14,140,171	19,395,137	1918.....	33,790,976	14,310,643	19,489,333
1916.....	32,340,189	13,361,202	18,978,987	1917.....	33,270,348	13,876,994	19,393,354
October:				April:			
1919.....	34,344,095	14,809,185	19,534,910	1920.....	34,358,668	15,050,395	19,308,273
1918.....	32,736,584	14,125,562	18,611,022	1919.....	33,208,670	14,317,196	18,891,474
1917.....	33,576,048	14,169,305	19,415,743	1918.....	33,734,997	14,315,602	19,419,395
1916.....	32,557,717	13,440,937	19,116,780	1917.....	33,268,615	13,900,301	19,368,314
November:				May:			
1919.....	34,499,755	14,828,293	19,671,462	1920.....	34,069,744	15,064,889	19,004,855
1918.....	33,115,369	14,263,861	18,851,508	1919.....	33,531,313	14,282,000	19,249,313
1917.....	33,613,218	14,168,807	19,444,411	1918.....	33,691,576	14,324,825	19,366,751
1916.....	32,758,045	13,539,840	19,218,205	1917.....	33,457,356	14,005,155	19,452,201
December:				June:			
1919.....	34,583,160	14,859,175	19,723,985	1920.....	34,457,464	15,042,162	19,415,302
1918.....	33,657,960	14,389,057	19,268,903	1919.....	33,950,358	14,541,296	19,409,062
1917.....	33,644,690	14,192,410	19,452,280	1918.....	33,675,285	14,248,664	19,426,621
1916.....	32,863,274	13,638,924	19,224,350	1917.....	33,447,037	14,021,158	19,425,879
January:				July:			
1920.....	34,739,579	14,918,924	19,820,655	1920.....	34,666,794	15,071,505	19,595,289
1919.....	33,866,228	14,462,127	19,404,101	1919.....	34,171,690	14,572,627	19,599,063
1918.....	33,550,358	14,266,039	19,284,319	1918.....	33,657,892	14,297,826	19,360,066
1917.....	33,016,893	13,744,317	19,272,576	1917.....	33,418,233	14,098,244	19,319,989

*Cotton consumed during each month, by states.*—The following table presents statistics for the monthly consumption of cotton in the United States, in the two divisions of the country, and in each of the important cotton-consuming states from August, 1916, to July, 1920. These statistics permit a closer study of the conditions in the cotton industry in the various states than was possible before the collection and publication of these monthly reports.



TABLE 28.—COTTON CONSUMED DURING EACH MONTH, BY STATES: AUGUST, 1916, TO JULY, 1920.

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. Linters are not included.]

STATE.	COTTON CONSUMED (BALES) DURING—											
	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.
United States:												
1919-20...	497,319	491,069	556,041	491,250	511,711	591,921	515,699	575,789	566,914	541,377	555,155	525,489
1918-19...	534,971	489,962	440,354	455,611	472,908	556,883	433,295	433,485	475,875	487,934	474,330	510,328
1917-18...	569,488	522,389	584,946	590,427	516,498	523,947	510,084	571,443	544,125	575,862	515,823	541,457
1916-17...	557,780	528,288	550,655	583,044	536,675	601,381	547,174	603,919	552,244	615,412	574,110	537,823
Cotton-growing states:												
1919-20...	268,583	277,560	305,376	280,439	271,703	330,793	201,481	321,296	316,787	310,516	313,274	295,111
1918-19...	298,356	281,727	231,475	257,750	254,914	310,234	252,844	248,269	259,444	271,989	258,820	273,205
1917-18...	330,669	299,294	324,528	332,504	286,719	302,098	296,366	313,264	305,538	317,266	285,401	303,451
1916-17...	318,493	304,392	312,888	333,029	307,682	349,959	312,481	342,217	321,797	351,240	327,962	306,208
All other states:												
1919-20...	228,736	213,509	250,665	210,811	240,008	261,128	224,218	254,493	250,127	230,861	241,881	230,378
1918-19...	236,615	208,235	208,879	197,861	217,994	246,649	180,451	185,216	216,431	215,945	215,510	237,123
1917-18...	238,819	223,095	260,418	257,923	229,779	221,849	213,718	258,179	238,587	258,596	230,422	238,006
1916-17...	239,287	223,896	237,767	250,015	228,993	251,422	234,693	261,702	230,447	264,172	246,148	231,615
Alabama:												
1919-20...	27,626	28,220	30,735	29,433	26,360	32,780	30,488	32,739	33,706	31,793	32,932	30,656
1918-19...	30,624	29,012	24,484	24,971	24,844	31,708	26,076	25,763	26,444	28,228	26,488	28,131
1917-18...	36,172	30,066	32,526	34,258	29,339	31,176	29,213	31,000	30,159	32,098	27,584	31,111
1916-17...	32,486	30,591	30,385	33,055	30,064	35,897	31,385	33,824	32,777	36,134	33,234	31,124
Connecticut:												
1919-20...	10,878	10,282	12,021	10,959	10,725	12,195	10,582	11,733	11,780	11,334	11,548	11,902
1918-19...	11,246	9,570	8,693	10,083	10,412	11,876	10,340	9,847	9,656	10,967	10,295	11,041
1917-18...	11,659	10,742	12,717	12,582	11,092	11,036	10,203	12,361	11,417	12,368	11,122	10,893
1916-17...	12,603	11,428	11,984	12,504	12,033	12,685	11,878	13,138	11,304	12,509	12,380	11,078
Georgia:												
1919-20...	58,796	60,071	67,639	64,230	61,022	75,918	66,753	71,108	70,747	69,209	68,904	66,504
1918-19...	67,293	63,549	57,290	59,090	58,425	69,481	50,925	51,235	54,968	57,723	54,715	57,982
1917-18...	78,483	68,707	75,638	78,071	66,978	70,235	68,576	69,848	70,575	72,358	64,437	70,172
1916-17...	75,969	70,740	74,950	78,802	73,638	81,472	71,865	78,065	74,138	80,961	74,404	72,011
Maine:												
1919-20...	15,903	13,860	18,452	14,443	16,732	17,684	15,334	17,713	17,545	15,409	16,739	14,617
1918-19...	15,249	13,549	15,766	13,119	14,800	15,192	7,310	6,459	10,151	13,911	15,218	16,690
1917-18...	15,708	13,793	16,812	15,867	15,399	15,984	15,312	16,150	14,553	16,889	13,613	15,338
1916-17...	17,246	13,615	16,468	15,564	14,767	15,974	14,998	17,075	14,849	16,553	14,922	15,119
Maryland:												
1919-20...	5,443	5,080	5,832	4,983	5,553	5,577	5,189	6,321	5,996	5,636	5,697	5,057
1918-19...	5,103	4,651	4,406	5,069	5,852	6,346	5,662	5,642	5,882	5,646	5,343	5,489
1917-18...	6,207	5,600	7,398	6,921	6,277	6,757	5,791	5,352	5,456	5,595	5,259	5,477
1916-17...	6,406	6,318	7,062	6,978	6,676	7,302	6,516	7,653	6,801	7,208	6,414	5,827
Massachusetts:												
1919-20...	118,657	112,158	138,811	107,919	122,883	134,920	112,873	127,540	126,048	117,436	122,783	122,297
1918-19...	122,811	108,262	109,241	101,124	112,933	128,788	91,086	95,238	114,015	107,502	109,694	124,121
1917-18...	119,583	114,550	130,218	131,772	115,890	110,994	103,347	132,607	122,522	134,664	118,143	125,001
1916-17...	124,256	114,581	118,336	126,059	115,214	124,158	115,503	131,484	114,422	133,248	125,228	116,720
New Hampshire:												
1919-20...	22,424	22,402	24,855	22,038	23,989	27,798	22,550	26,951	27,367	23,966	25,064	24,885
1918-19...	24,694	21,873	21,088	21,599	22,884	25,152	19,175	19,893	23,071	22,909	22,447	22,716
1917-18...	27,637	23,919	27,703	27,225	24,493	23,165	24,165	28,117	25,754	26,901	25,506	25,893
1916-17...	23,718	25,142	26,155	28,296	24,836	28,031	26,114	27,272	25,053	29,880	25,025	25,359
New Jersey:												
1919-20...	3,382	3,179	3,533	3,223	3,399	2,978	2,447	3,357	2,993	2,806	3,133	2,645
1918-19...	3,419	2,977	2,967	2,984	2,989	3,579	2,912	3,269	3,276	3,201	3,221	3,213
1917-18...	4,134	3,683	4,712	4,680	3,882	4,224	3,852	4,164	4,444	4,151	4,070	3,522
1916-17...	4,076	4,174	4,915	4,579	4,125	5,173	4,393	5,075	4,398	4,793	4,210	4,200
New York:												
1919-20...	18,677	15,689	17,406	14,810	19,467	22,797	20,777	23,929	22,122	20,846	19,854	17,355
1918-19...	20,321	19,077	17,257	16,609	17,788	18,467	14,561	14,377	16,260	18,223	16,985	19,123
1917-18...	18,507	18,653	21,839	20,417	19,181	18,161	19,503	22,534	19,445	20,747	20,269	21,054
1916-17...	18,465	17,396	18,887	21,361	19,694	22,035	20,519	21,539	18,591	21,600	19,141	18,853
North Carolina:												
1919-20...	84,503	90,791	99,641	90,587	85,005	104,770	91,777	105,250	102,445	101,134	100,218	93,120
1918-19...	96,651	92,222	68,460	84,449	79,694	101,070	85,145	80,513	84,092	88,737	84,885	89,799
1917-18...	101,166	95,122	102,533	105,338	88,647	95,199	15,965	103,409	99,450	103,330	94,819	98,297
1916-17...	94,702	94,250	95,690	103,345	92,788	108,459	99,922	109,944	101,614	110,980	103,339	94,637



TABLE 28.—COTTON CONSUMED DURING EACH MONTH, BY STATES: AUGUST, 1916, TO JULY, 1920—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. Linters are not included.]

STATE.	COTTON CONSUMED (BALES) DURING—											
	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.
Pennsylvania:												
1919-20.....	3,396	3,226	3,873	3,339	3,606	3,507	3,329	3,559	4,072	3,339	3,464	3,029
1918-19.....	3,470	3,383	2,960	2,950	3,304	3,385	2,818	2,693	2,631	3,000	3,042	3,544
1917-18.....	4,282	3,882	4,734	4,257	3,875	3,191	3,332	4,019	3,734	4,090	3,658	3,852
1916-17.....	4,357	3,938	4,504	4,651	4,285	4,547	4,296	4,725	4,573	4,569	4,379	4,332
Rhode Island:												
1919-20.....	23,181	22,002	28,873	22,982	27,467	27,180	24,619	26,949	26,603	24,395	27,450	23,539
1918-19.....	23,857	20,735	21,932	20,521	22,460	28,184	21,306	22,208	25,608	24,606	23,127	24,753
1917-18.....	24,385	21,974	27,124	27,328	23,831	23,191	23,039	26,599	25,822	27,683	23,912	22,025
1916-17.....	23,069	22,565	24,210	24,884	22,505	26,036	24,039	26,592	23,984	26,483	24,213	22,483
South Carolina:												
1919-20.....	64,667	66,520	71,550	64,492	67,791	78,961	68,898	74,358	72,895	71,405	73,088	69,299
1918-19.....	71,078	66,058	53,174	59,688	63,564	73,425	62,047	62,051	62,901	63,901	62,449	64,458
1917-18.....	79,783	72,821	78,983	80,754	71,397	71,770	70,691	75,183	72,678	74,763	67,884	71,511
1916-17.....	79,785	75,401	77,552	82,385	78,931	86,301	76,243	83,304	79,246	85,352	82,928	75,138
Tennessee:												
1919-20.....	8,191	8,015	9,525	7,531	7,769	10,238	8,974	10,037	9,962	9,316	9,815	9,000
1918-19.....	8,546	7,779	7,403	7,359	7,275	8,601	6,475	6,624	7,713	8,181	7,691	8,405
1917-18.....	9,361	8,494	9,701	9,056	8,261	9,332	8,443	8,576	8,634	9,051	7,674	8,259
1916-17.....	9,212	8,541	8,745	9,211	8,401	9,838	8,703	9,653	9,123	10,187	8,555	8,613
Virginia:												
1919-20.....	9,432	8,944	9,395	8,860	8,347	10,548	8,966	9,965	9,426	9,760	9,915	9,189
1918-19.....	7,018	7,467	6,961	7,389	7,022	8,881	7,676	8,047	8,119	8,860	8,028	8,796
1917-18.....	8,928	8,171	8,752	8,606	7,163	8,392	7,952	8,183	7,502	8,691	7,421	7,696
1916-17.....	9,769	9,361	9,556	9,816	8,404	10,470	8,508	9,506	8,386	9,789	8,957	8,442
All other states:												
1919-20.....	22,163	20,630	23,900	21,421	21,596	24,070	22,143	24,280	23,207	23,593	24,551	22,395
1918-19.....	23,591	19,798	18,272	18,607	18,662	22,748	19,781	19,626	21,088	22,339	20,702	22,067
1917-18.....	23,493	22,212	23,556	23,295	20,793	21,140	20,700	23,251	21,980	22,483	20,452	21,356
1916-17.....	21,661	20,247	21,256	21,554	20,314	23,003	22,292	25,070	22,985	25,166	23,781	23,887

The total quantities of foreign cotton consumed during the several months are given in Table 29 for the United States, for the cotton-growing states, and for all other states separately, with the total stocks on hand in consuming establishments and in public storage at the close of each month. Also the quantities of Egyptian cotton consumed, held in consuming establishments and in public storage, included in the several totals are shown separately.



TABLE 29.—FOREIGN COTTON CONSUMED AND ON HAND IN CONSUMING ESTABLISHMENTS AND IN PUBLIC STORAGE, BY MONTHS: AUGUST, 1916, TO JULY, 1920.

MONTH.	Year.	FOREIGN COTTON (EQUIVALENT 500-POUND BALES).							
		Consumed.				On hand—			
		United States.	Cotton-growing states.	All other states.	Egyptian included.	In consuming establishments.		In public storage.	
						Total.	Egyptian included.	Total.	Egyptian included.
August.....	1919	21,691	1,358	20,333	15,865	50,107	34,767	1,816,596	11,548
	1918	11,405	760	10,645	7,895	78,419	53,437	47,864	31,059
	1917	21,627	1,501	20,126	17,175	86,481	67,245	39,269	31,477
	1916	25,401	1,985	23,416	21,246	137,758	115,936	61,018	51,320
September.....	1919	23,552	2,645	20,907	16,392	59,979	44,478	2,502,307	26,190
	1918	10,551	540	10,011	7,470	69,088	49,824	47,066	29,377
	1917	17,928	1,479	16,449	13,423	81,419	59,955	39,031	28,951
	1916	24,797	1,850	22,947	20,404	129,259	107,484	56,057	45,778
October.....	1919	29,214	2,479	26,735	22,079	62,939	46,825	3,687,141	21,330
	1918	10,218	467	9,751	7,289	69,705	46,628	42,671	26,645
	1917	18,991	1,705	17,286	14,895	72,850	51,278	29,056	19,073
	1916	28,340	2,353	25,987	23,144	113,589	92,671	48,213	39,002
November.....	1919	27,115	2,091	25,024	20,261	60,599	44,592	4,063,176	19,017
	1918	10,604	377	10,227	7,182	57,855	37,030	41,990	26,283
	1917	18,946	1,700	17,246	14,745	59,869	39,872	22,557	13,372
	1916	29,069	2,523	26,546	24,060	99,806	80,733	37,106	28,166
December.....	1919	32,444	2,299	30,145	24,989	62,790	46,065	4,164,208	25,147
	1918	14,152	455	13,697	10,331	64,698	45,227	38,198	22,505
	1917	15,374	1,233	14,141	11,751	54,472	33,770	19,241	11,064
	1916	25,636	2,334	23,302	21,034	86,473	68,638	34,478	23,763
January.....	1920	36,897	2,772	34,125	28,173	74,312	55,402	3,758,329	33,015
	1919	17,447	765	16,682	12,889	59,174	41,398	30,041	17,168
	1918	14,656	981	13,675	11,194	43,651	27,315	25,602	17,256
	1917	30,818	2,045	28,773	24,622	92,757	71,373	41,346	29,289
February.....	1920	31,829	2,381	29,448	24,804	74,962	58,898	3,530,654	47,093
	1919	15,465	658	14,807	11,108	51,048	34,533	25,690	14,197
	1918	13,618	951	12,667	10,407	43,706	28,842	26,918	16,211
	1917	26,448	1,947	24,501	21,336	94,334	76,790	45,645	36,527
March.....	1920	41,072	2,927	38,145	31,578	93,042	76,816	3,240,197	56,354
	1919	15,708	757	14,951	11,217	44,256	28,409	21,390	11,332
	1918	14,492	905	13,587	10,618	37,502	24,576	20,213	9,544
	1917	28,928	2,232	26,696	23,210	94,787	78,347	55,773	43,777
April.....	1920	44,639	2,873	41,766	34,933	126,716	112,276	2,978,158	117,431
	1919	18,210	1,058	17,152	13,513	44,330	29,304	21,330	11,409
	1918	11,842	929	10,913	8,047	45,857	29,115	24,959	12,471
	1917	24,455	1,702	22,663	20,086	101,747	86,294	57,256	49,460
May.....	1920	41,682	3,541	38,141	33,606	162,185	134,639	2,586,868	124,697
	1919	16,372	1,035	15,337	11,376	49,832	36,100	27,217	16,182
	1918	13,375	944	12,431	9,187	51,793	30,569	35,098	21,261
	1917	27,915	2,187	25,728	22,760	100,019	82,457	51,200	44,116
June.....	1920	46,189	3,667	42,522	37,511	160,622	130,455	2,301,016	114,499
	1919	16,948	1,088	15,860	12,413	50,574	37,180	30,465	16,797
	1918	11,460	756	10,704	7,634	57,823	32,599	48,493	33,385
	1917	24,507	2,014	22,493	19,680	102,368	83,250	56,446	49,864
July.....	1920	40,417	3,566	36,851	32,933	149,656	117,300	2,055,015	102,799
	1919	19,036	1,222	17,814	13,404	50,648	36,858	32,544	15,899
	1918	11,485	794	10,691	7,315	62,684	35,917	48,213	31,361
	1917	21,947	1,613	20,334	17,579	94,311	75,250	49,680	42,662

*Cotton stocks on specified dates.*—The following table distributes, by states, the cotton on hand in consuming establishments and in public storage and at compresses at the close of each month during the year ending July 31, 1920. The amounts shown in the table do not include cotton in transit and in private warehouses or cotton in the hands of buyers, merchants, and producers.



TABLE 30.—COTTON ON HAND IN CONSUMING ESTABLISHMENTS AND IN PUBLIC STORAGE AND AT COMPRESSES AT THE CLOSE OF EACH MONTH, BY STATES: AUGUST, 1919, TO JULY, 1920.

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. Linters are not included.]

STATE AND CLASS OF HOLDER.	COTTON ON HAND (BALES).				
	1919				
	Aug. 31.	Sept. 30.	Oct. 31.	Nov. 30.	Dec. 31.
In consuming establishments, total.....	1,133,365	1,067,970	1,365,139	1,642,425	1,836,703
In cotton-growing states.....	480,850	469,336	850,561	1,056,180	1,116,005
In all other states.....	652,515	598,634	514,578	586,245	720,698
In public storage and at compresses, total.....	1,816,596	2,502,307	3,687,141	4,063,176	4,164,208
In cotton-growing states.....	1,618,719	2,305,991	3,514,021	3,892,523	3,940,438
In all other states.....	197,877	196,316	173,120	170,653	223,770
Alabama:					
In consuming establishments.....	43,108	38,484	71,329	97,898	99,757
In public storage and at compresses.....	105,072	173,341	240,743	231,449	204,720
Arkansas:					
In consuming establishments.....	759	436	919	846	856
In public storage and at compresses.....	40,942	77,706	193,399	231,524	254,502
Connecticut: <sup>1</sup>					
In consuming establishments.....	46,812	41,906	35,519	37,760	48,040
Georgia:					
In consuming establishments.....	108,162	125,056	212,624	254,408	264,618
In public storage and at compresses.....	507,738	761,604	934,602	935,678	874,972
Louisiana:					
In consuming establishments.....	1,798	2,854	1,724	1,632	1,577
In public storage and at compresses.....	254,264	251,139	334,825	330,711	324,340
Maine:					
In consuming establishments.....	44,869	39,805	27,864	33,069	48,370
Massachusetts:					
In consuming establishments.....	328,922	295,505	265,208	293,911	356,054
In public storage and at compresses.....	113,351	114,716	104,397	118,056	160,310
Mississippi:					
In consuming establishments.....	4,499	5,069	7,084	7,333	8,112
In public storage and at compresses.....	64,300	158,770	305,282	331,738	318,142
New Hampshire:					
In consuming establishments.....	70,300	66,782	53,538	61,131	72,136
New Jersey: <sup>1</sup>					
In consuming establishments.....	11,282	10,485	7,513	11,171	11,853
New York:					
In consuming establishments.....	41,224	39,718	39,623	50,934	59,943
In public storage and at compresses.....	63,679	63,131	50,750	31,090	25,624
North Carolina:					
In consuming establishments.....	155,579	139,093	230,789	293,440	320,238
In public storage and at compresses.....	51,691	61,005	98,875	103,208	126,393
Oklahoma:					
In consuming establishments.....	488	265	75	438	1,701
In public storage and at compresses.....	6,429	45,533	115,696	161,681	185,061
Pennsylvania:					
In consuming establishments.....	8,931	7,733	6,694	8,845	10,469
In public storage and at compresses.....	5,766	6,148	7,201	6,760	9,418
Rhode Island:					
In consuming establishments.....	81,000	79,395	61,134	71,463	93,047
In public storage and at compresses.....	5,825	5,391	4,935	5,771	12,708
South Carolina:					
In consuming establishments.....	110,919	108,929	258,333	305,414	312,058
In public storage and at compresses.....	161,751	193,626	290,661	296,767	317,948
Tennessee:					
In consuming establishments.....	16,703	14,774	24,609	36,703	41,653
In public storage and at compresses.....	108,796	113,347	183,972	246,436	287,254
Texas:					
In consuming establishments.....	8,545	6,803	8,766	14,564	18,858
In public storage and at compresses.....	245,254	405,644	724,382	917,373	926,426
Virginia:					
In consuming establishments.....	18,525	16,857	24,472	31,663	33,478
In public storage and at compresses.....	54,520	47,217	60,128	76,047	79,926
All other states:					
In consuming establishments.....	30,940	28,021	27,322	29,802	33,885
In public storage and at compresses.....	27,218	23,989	37,293	38,887	56,464

<sup>1</sup> Warehouse stocks included in "All other states."



TABLE 30.—COTTON ON HAND IN CONSUMING ESTABLISHMENTS AND IN PUBLIC STORAGE AND AT COMPRESSES AT THE CLOSE OF EACH MONTH, BY STATES: AUGUST, 1919, TO JULY, 1920—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. Linters are not included.]

STATE AND CLASS OF HOLDER.	COTTON ON HAND (BALES).						
	1920 1925						
	Jan. 31.	Feb. 28.	Mar. 31.	Apr. 30.	May 31.	June 30.	July 31.
<i>Marion</i>							
In consuming establishments, total.....	1,962,326	1,869,368	1,853,996	1,811,527	1,698,833	1,554,274	1,358,147
In cotton-growing states.....	1,105,967	1,069,277	1,030,804	969,824	878,224	756,964	612,793
In all other states.....	846,359	800,091	823,192	841,703	820,609	797,310	745,354
In public storage and at compresses, total.....	3,758,329	3,530,654	3,240,197	2,978,158	2,586,868	2,301,016	2,055,015
In cotton-growing states.....	3,481,165	3,254,000	2,967,289	2,653,226	2,264,207	1,953,145	1,692,683
In all other states.....	277,164	276,654	272,908	324,932	322,661	347,871	262,332
Alabama:							
In consuming establishments.....	103,226	101,044	95,383	92,232	84,067	70,143	56,833
In public storage and at compresses.....	166,711	139,632	106,257	87,980	68,556	54,362	43,603
Arkansas:							
In consuming establishments.....	862	1,004	1,048	1,206	1,012	744	424
In public storage and at compresses.....	235,812	226,580	202,523	172,752	136,016	110,293	97,273
Connecticut: <sup>1</sup>							
In consuming establishments.....	52,252	48,330	50,050	50,300	51,053	53,278	45,011
Georgia:							
In consuming establishments.....	249,577	239,375	221,397	212,882	195,335	169,864	134,539
In public storage and at compresses.....	694,997	568,108	469,596	358,758	282,968	220,249	201,544
Louisiana:							
In consuming establishments.....	3,855	3,332	5,840	5,897	5,681	4,972	4,879
In public storage and at compresses.....	313,380	276,039	265,214	278,151	247,791	221,197	209,295
Maine:							
In consuming establishments.....	60,789	57,459	56,932	58,266	54,055	52,176	50,727
Massachusetts:							
In consuming establishments.....	407,632	377,669	392,685	397,508	394,425	387,665	358,634
In public storage and at compresses.....	189,241	194,840	202,212	240,429	223,040	237,068	245,206
Mississippi:							
In consuming establishments.....	9,657	7,526	8,294	8,883	6,804	7,566	5,144
In public storage and at compresses.....	254,058	226,214	202,189	174,661	154,451	135,312	126,615
New Hampshire:							
In consuming establishments.....	89,498	90,931	96,749	96,296	94,589	85,373	87,155
New Jersey: <sup>1</sup>							
In consuming establishments.....	13,121	11,650	15,093	14,049	12,679	13,494	12,838
New York:							
In consuming establishments.....	68,212	61,624	56,545	49,385	45,641	45,501	43,502
In public storage and at compresses.....	30,317	26,294	17,985	17,536	22,820	31,257	42,941
North Carolina:							
In consuming establishments.....	325,315	322,622	315,301	296,496	266,299	230,294	189,456
In public storage and at compresses.....	124,808	105,854	109,959	98,221	89,019	75,447	53,649
Oklahoma:							
In consuming establishments.....	1,849	2,094	1,937	1,663	1,364	1,109	911
In public storage and at compresses.....	141,461	140,065	120,858	106,751	74,466	58,565	48,130
Pennsylvania:							
In consuming establishments.....	13,412	13,649	15,004	12,748	10,729	10,036	8,333
In public storage and at compresses.....	10,562	10,894	7,026	6,735	5,992	5,963	5,075
Rhode Island:							
In consuming establishments.....	117,603	114,199	115,659	136,298	130,496	124,275	114,732
In public storage and at compresses.....	16,952	16,221	17,059	39,886	47,667	48,178	47,070
South Carolina:							
In consuming establishments.....	304,115	286,677	273,499	247,740	221,147	185,545	147,521
In public storage and at compresses.....	263,786	260,418	255,490	194,270	158,145	128,732	104,823
Tennessee:							
In consuming establishments.....	40,805	38,824	39,313	35,736	32,901	28,563	22,728
In public storage and at compresses.....	293,400	313,174	314,946	329,717	310,361	291,618	269,201
Texas:							
In consuming establishments.....	20,659	23,964	23,350	20,948	17,249	14,148	11,293
In public storage and at compresses.....	864,959	884,706	815,550	758,304	678,592	608,332	503,869
Virginia:							
In consuming establishments.....	33,139	30,091	30,961	32,053	31,074	26,525	22,036
In public storage and at compresses.....	83,972	78,858	76,790	70,996	52,188	38,973	25,395
All other states:							
In consuming establishments.....	36,748	37,304	38,956	40,941	42,232	43,003	41,451
In public storage and at compresses.....	73,913	62,757	56,543	43,011	34,796	35,470	31,026

<sup>1</sup> Warehouse stocks included in "All other states."



## IMPORTS AND EXPORTS OF COTTON.

### IMPORTS.

Practically the entire quantity of cotton consumed in the United States is produced in the country, as a rule, only small quantities for special purposes being imported. Foreign cotton imported into the United States is frequently reshipped at intermediate points, and, in some instances, is counted as imported from the country of reshipment. There has been a demand for data regarding the country of origin, and the Bureau of Foreign and Domestic Commerce has accordingly arranged to furnish this information. Table 31, page 65, shows the yearly imports of cotton, by countries of production for the years ending July 31, 1915 to 1920, and monthly from August, 1916, to July, 1920, inclusive:

The total quantity of cotton imported into the United States during the year ending July 31, 1920, amounted to 700,214 equivalent bales of 500 pounds each. During the year 17,303 bales of foreign cotton were reexported, making the net imports 682,911 bales.

Most of the imported cotton consumed in this country is Egyptian, which is used largely for mercerizing and in the manufacture of thread, knit goods, lace, and automobile tires. During the past year 65,343 bales of Mexican cotton were imported. As this cotton has practically the same characteristics as American cotton, much of it lost its Mexican identity and was included in the reports of consumption and of exports as domestic cotton. At a number of border points, especially in the Imperial Valley, Mexican seed cotton is brought into the United States for ginning.

The importation of Chinese cotton during the year amounted to 57,185 bales. This cotton is distinctly of a lower grade than the average American and is used, to some extent, for mixing with the higher priced domestic cotton. During the year 63,426 bales of Peruvian cotton were imported. This was largely "Rough Peruvian," which is found very desirable for mixing with wool in the manufacture of woolen goods. Smaller amounts of cotton were also imported from a number of other countries, among which were Santo Domingo and Haiti.

### EXPORTS.

The yearly exports of domestic raw cotton and linters, by customs districts, are shown in Table 32, for eight years. The total for the year ending July 31, 1920, amounted to 6,598,347 bales, being the largest for any year since 1915. Galveston, with a total of 2,280,824 bales, ranked first among the customs districts in 1920, followed by Georgia, with 1,353,158 bales; New Orleans, with 1,338,097 bales; and Washington, with 336,336 bales.



TABLE 31.—TOTAL IMPORTS OF COTTON, BY COUNTRIES OF PRODUCTION, FOR YEARS ENDING JULY 31, 1914, TO 1920, AND FOR EACH MONTH FROM AUGUST, 1916, TO JULY, 1920, INCLUSIVE.

MONTH.	Year.	IMPORTS OF FOREIGN COTTON (EQUIVALENT 500-POUND BALES).						
		Total.	Produced in—					All other countries.
			Egypt.	China.	Peru.	India.	Mexico.	
Total.....	1920	700,214	485,004	57,185	63,426	14,358	65,343	14,898
	1919	201,585	100,006	10,871	25,230	2,893	54,434	8,151
	1918	221,216	114,580	38,964	19,692	7,096	35,726	5,158
	1917	291,957	199,892	36,063	11,069	3,860	32,858	8,215
	1916	437,574	350,796	35,792	10,909	4,214	30,098	5,765
	1915	382,286	252,373	25,631	10,353	7,845	85,180	904
August.....	1919	14,070	11,280	1,954	4	178	.....	654
	1918	8,004	6,312	458	335	140	5	754
	1917	11,260	1,147	4,508	3,259	895	.....	1,451
	1916	7,482	2,234	2,540	1,366	791	.....	551
September.....	1919	54,342	45,868	2,417	1,026	4,371	84	576
	1918	2,313	.....	164	479	287	570	813
	1917	14,533	9,934	1,084	2,541	709	11	254
	1916	7,927	3,153	1,676	1,008	327	1,755	8
October.....	1919	35,281	11,019	2,507	12,873	2,444	3,237	3,201
	1918	4,277	.....	147	158	.....	3,294	678
	1917	3,682	.....	240	965	304	2,081	92
	1916	7,836	51	781	594	318	5,336	756
November.....	1919	52,088	31,020	1,152	5,054	54	14,099	709
	1918	26,901	15,158	.....	1	.....	10,318	1,424
	1917	7,038	.....	162	1,040	70	5,510	256
	1916	13,200	5,636	167	934	.....	6,420	43
December.....	1919	48,594	27,358	275	4,185	593	14,414	1,769
	1918	13,748	2,074	161	424	.....	10,301	788
	1917	14,579	.....	934	4,456	2,371	6,626	192
	1916	34,339	22,416	1,903	1,929	1,181	6,694	216
January.....	1920	104,485	66,553	2,156	16,710	1,033	16,024	2,009
	1919	11,194	.....	739	289	.....	9,555	611
	1918	36,198	18,850	6,219	1,307	344	9,291	187
	1917	38,463	27,167	4,940	1,824	218	4,009	305
February.....	1920	123,880	96,524	5,977	10,378	.....	10,684	317
	1919	9,640	.....	2,365	291	.....	6,796	188
	1918	13,676	1,097	4,877	1,340	.....	6,267	95
	1917	56,058	46,344	6,256	269	.....	3,124	65
March.....	1920	133,727	110,952	12,757	5,046	110	4,570	292
	1919	15,561	583	1,596	1,123	.....	11,689	570
	1918	14,261	.....	8,886	834	.....	4,234	307
	1917	47,679	39,783	3,141	979	.....	3,458	318
April.....	1920	69,357	56,118	7,785	1,843	389	981	2,241
	1919	36,463	30,523	409	3,336	375	1,651	169
	1918	21,158	13,222	5,398	547	160	1,558	273
	1917	29,968	23,473	3,613	171	.....	1,668	1,043
May.....	1920	15,767	6,890	4,427	2,058	1,049	163	1,180
	1919	36,812	21,247	2,917	11,023	414	255	956
	1918	29,635	23,748	3,035	1,678	343	148	683
	1917	12,387	6,595	3,899	724	.....	394	775
June.....	1920	19,635	8,453	6,245	1,421	1,615	1,087	814
	1919	17,269	8,535	821	6,276	593	.....	1,044
	1918	30,194	26,335	1,851	355	631	.....	1,022
	1917	26,181	22,307	385	753	558	.....	2,178
July.....	1920	28,988	12,969	9,533	2,828	2,522	.....	1,136
	1919	19,403	15,574	1,241	1,506	926	.....	156
	1918	25,002	20,247	1,770	1,370	1,269	.....	346
	1917	10,437	733	6,762	518	467	.....	1,957



TABLE 32.—EXPORTS OF DOMESTIC RAW COTTON AND LINTERS FROM THE UNITED STATES, BY CUSTOMS DISTRICTS: 1912 AND 1914 TO 1919.

[Compiled by the Bureau of Foreign and Domestic Commerce, Department of Commerce. The statistics for 1915 to 1920 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31.]

CUSTOMS DISTRICT.	EXPORTS OF DOMESTIC COTTON AND LINTERS (RUNNING BALES).							
	1920	1919	1918	1917	1916	1915	1914	1912
Total.....	6,598,347	5,663,920	4,476,124	5,739,009	6,191,110	8,544,563	8,914,839	10,681,758
Maine and New Hampshire.....	7,282	5,339	4,838	10,308	10,807	6,398	2,643	12,280
Massachusetts.....	20,746	38,614	171,531	165,843	100,755	111,170	94,454	186,779
New York.....	226,251	657,450	881,610	811,613	738,558	482,195	359,421	655,078
Philadelphia.....	13,863	23,299	29,725	42,617	26,219	34,906	58,906	90,482
Maryland.....	12,662	14,055	83,667	177,155	167,978	61,066	173,167	139,466
Virginia.....	167,910	60,816	101,983	114,336	82,123	74,549	136,363	21,666
North Carolina.....	168,342	63,830	68,069	74,036	170,557	203,294	353,273	502,426
South Carolina.....	141,073	14,792	.....	19,207	85,128	260,819	305,338	249,864
Georgia.....	1,353,158	870,296	625,745	554,084	568,741	1,469,456	1,513,039	2,158,827
Florida.....	31,320	9,922	31,128	36,776	65,107	81,739	164,124	216,424
Mobile.....	122,087	89,047	79,276	75,963	81,513	95,611	369,613	357,110
New Orleans.....	1,338,097	1,290,189	743,083	1,025,775	1,251,924	1,545,415	1,705,559	1,600,627
Sabine.....	.....	.....	8,102	40,667	48,337	51,729	32,808	199,887
Galveston.....	2,280,824	1,604,652	785,389	1,833,381	1,962,824	3,433,241	3,214,567	3,700,237
San Antonio.....	70	.....	2,907	1,850	23,695	618	35,728	4,782
Arizona.....	485	430	260	.....	.....	.....	298	700
San Francisco.....	123,527	127,475	169,517	182,904	192,462	194,020	179,255	211,778
Oregon.....	32,386	.....	.....	.....	.....	.....	.....	.....
Washington.....	336,336	606,190	444,717	391,951	431,945	257,363	76,198	213,825
Idaho-Montana.....	50	.....	4	.....	.....	.....	.....	.....
Dakota.....	4,374	818	767	1,217	3,919	2,382	533	4
Minnesota.....	.....	.....	.....	.....	.....	.....	.....	753
Duluth and Superior.....	165	.....	558	.....	.....	40	104	.....
Chicago.....	.....	.....	.....	.....	879	.....	.....	.....
Michigan.....	113,793	124,777	168,036	116,331	101,926	98,698	100,333	122,472
Ohio.....	.....	.....	.....	.....	.....	50	.....	350
Buffalo.....	21,132	11,731	10,839	16,816	9,305	9,002	11,879	5,462
St. Lawrence.....	33,955	14,574	19,038	10,335	15,164	11,640	7,190	16,024
Vermont.....	36,824	35,516	45,331	35,840	49,334	54,624	19,755	23,324
Porto Rico.....	.....	.....	.....	.....	46	27	273	131
Hawaii.....	.....	8	4	4	9	11	18	.....
Southern California.....	11,245	100	.....	.....	1,855	4,500	.....	.....

*Net receipts of cotton, by ports.*—The term "net receipts of cotton," as here employed, means the amount of domestic cotton received which has not been transhipped from some other port and already included in the latter's receipts. These statistics must not be confused with those of exports. They include large quantities of cotton carried in the coastwise trade to New England and other Northern states and consumed in this country, as well as cotton carried to other ports and then exported. The statistics of such net receipts for the principal cotton-handling ports are presented in Table 33.

The three most important cotton ports, in the order of net receipts, are Galveston, New Orleans, and Savannah, and their net receipts during the year ending July 31, 1920, amounted to 4,774,215 bales, or 40.1 per cent of the total quantity of cotton and lintens produced in the country from the crop of 1919.

*Exports of cotton, by countries to which exported.*—The annual exports of domestic raw cotton from 1821 to 1920, by countries, and the total value for each year are shown in Table 34. The quantities in this table are expressed in equivalent 500-pound bales and cover the fiscal year, while those in Table 32 are in running bales and relate to the cotton year.

Table 34 shows the export trade in raw cotton to the several countries. The total quantity exported during the year ending June 30, 1920, amounted to 7,087,487 bales of 500 pounds each, valued at \$1,381,707,502. Of this cotton, 3,444,794 bales, or 48.6 per cent, were exported to the United Kingdom, 596,391 bales to France, 876,250 bales to Japan, and 617,263 bales to Italy. The exportation of cotton to Germany,



which, during the fiscal year 1914, took 2,884,324 bales, or 30.3 per cent of the total for that year, has been resumed, the total for 1920 being 420,758 bales.

The quantity of raw cotton exported to Japan has increased steadily since 1914, prior to which time there was more or less variation from year to year. These variations in the quantities of cotton exported to Japan may be attributed, in part, to irregularity in the supply of Indian cotton, upon which the Japanese mills largely rely for their raw material. The exports to "All other countries" include cotton to India and to China, in which countries American cotton is used, to some extent, for mixing with the short-fiber native cotton and in the manufacture of goods requiring a long-staple cotton.

TABLE 33.—NET RECEIPTS OF RAW COTTON AT PRINCIPAL COTTON PORTS, FOR SPECIFIED YEARS: 1875 TO 1920.

[Compiled from reports of New Orleans Cotton Exchange. The statistics for 1915 to 1920 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31.]

PORT.	NET RECEIPTS OF COTTON (RUNNING BALES).							
	1920	1919	1918	1917	1916	1915	1914	1913
Galveston.....	2,101,119	1,933,092	1,621,886	2,640,931	2,424,667	4,001,710	3,365,460	4,035,114
Port Arthur and Texas City.....	329,637	124,276	80,728	278,829	358,150	560,103	513,439	805,313
New Orleans.....	1,366,735	1,635,444	1,664,267	1,541,110	1,414,215	1,810,184	1,890,758	1,436,959
Mobile.....	265,176	153,516	107,290	113,317	163,365	166,997	431,918	230,699
Pensacola.....	13,298	4,038	15,024	36,789	70,737	87,236	165,806	125,633
Jacksonville and Fernandina <sup>1</sup> .....	15,617	36,082	38,585	56,656	44,110	34,770	.....	.....
Brunswick.....	168,366	186,114	158,791	154,337	141,229	215,504	285,173	240,500
Savannah.....	1,306,361	1,150,618	1,140,591	908,113	1,042,840	1,762,418	1,822,370	1,306,864
Charleston.....	445,123	217,226	203,879	174,263	264,877	405,504	423,920	310,293
Wilmington.....	142,758	151,882	98,913	87,759	221,180	279,097	399,023	342,953
Norfolk and Newport News.....	351,137	304,012	299,882	557,187	780,958	829,683	744,419	722,803
Baltimore.....	92,263	23,157	80,014	127,598	75,234	83,114	108,810	84,661
Philadelphia.....	21,284	8,065	24,752	25,786	8,266	11,134	5,491	8,326
New York.....	30,229	12,970	149,970	37,946	34,375	30,022	6,732	15,326
Boston.....	44,362	30,175	112,367	103,176	89,281	85,043	21,578	46,222
San Francisco <sup>1</sup> .....	112,390	127,233	158,890	176,124	191,311	189,561	177,048	257,220
Seattle and Tacoma <sup>1</sup> .....	354,965	608,935	416,978	343,069	444,307	277,269	78,271	107,015
Laredo, Eagle Pass, etc. <sup>1</sup> .....	71,655	.....	2,677	1,850	32,089	9,707	.....	.....
Minor points <sup>1</sup> .....	67,192	27,063	30,645	41,995	41,880	52,996	.....	.....

PORT.	NET RECEIPTS OF COTTON (RUNNING BALES).							
	1910	1905	1900	1895	1890	1885	1880	1875
Galveston.....	2,501,412	2,879,336	1,710,263	1,659,999	860,112	463,463	480,352	354,927
Port Arthur and Texas City.....	163,778	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
New Orleans.....	1,315,328	2,689,520	1,867,153	2,584,115	1,973,571	1,529,592	1,504,654	993,481
Mobile.....	255,665	329,556	340,646	253,187	261,957	237,071	358,971	320,822
Pensacola.....	138,234	195,151	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Brunswick.....	227,301	199,193	94,278	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Savannah.....	1,365,825	1,877,343	1,088,807	944,410	956,517	728,087	741,018	606,727
Charleston.....	228,728	225,366	265,523	*425,487	327,079	507,802	464,332	412,931
Wilmington.....	312,511	375,383	282,360	234,621	134,916	94,054	78,876	76,601
Norfolk and Newport News.....	587,363	841,174	432,727	472,540	404,056	545,418	590,032	387,279
Baltimore.....	85,526	72,427	101,648	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Philadelphia.....	2,581	13,645	36,238	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
New York.....	40,706	33,798	119,215	187,794	176,502	99,200	229,426	179,163
Boston.....	14,792	83,644	118,891	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> Not available for years for which no data are shown.

<sup>2</sup> Not shown separately.

<sup>3</sup> Includes receipts of Pensacola.

<sup>4</sup> Included in receipts of Mobile.



TABLE 34.—EXPORTS OF DOMESTIC COTTON AND LINTERS—VALUE AND QUANTITY, WITH DISTRIBUTION OF QUANTITY, BY COUNTRIES TO WHICH EXPORTED: 1821 TO 1920.

[Compiled from Commerce and Navigation of the United States. The statistics of exports since 1865 differ slightly from those shown in Table 38 because of a difference in the years to which they relate. The figures in this table are for fiscal years.]

YEAR.	Total value.	EXPORTS OF DOMESTIC COTTON (EQUIVALENT 500-POUND BALES) TO—														
		Total.	United Kingdom.	Germany.	France.	Italy.	Spain.	Belgium.	Russia. <sup>1</sup>	Austria. <sup>2</sup>	Netherlands.	All other Europe.	Japan.	Canada.	Mexico.	All other countries.
1920.....	\$1,381,707,502	7,087,487	3,444,794	420,758	596,391	617,263	275,034	209,572	.....	42,858	186,476	183,729	876,250	216,606	1,141	16,615
1919.....	873,579,669	5,525,803	2,494,009	.....	773,744	557,549	281,343	72,652	310	55,386	57,949	203,949	809,313	203,015	1,707	14,967
1918.....	655,024,655	4,641,023	2,387,101	.....	658,563	369,213	259,194	.....	15,945	.....	10,098	82,572	583,546	249,973	10,706	14,122
1917.....	543,074,690	6,176,162	2,805,423	.....	1,055,749	687,158	394,093	.....	49,189	.....	62,161	184,717	530,892	187,201	5,298	124,281
1916.....	374,186,247	6,168,140	2,760,890	.....	890,376	836,915	340,246	.....	173,449	.....	102,087	169,154	573,077	197,659	23,695	170,592
1915.....	376,217,972	8,807,157	3,919,749	294,194	692,699	1,127,400	464,504	5,057	82,125	455	544,035	898,096	428,806	182,790	39,627	127,520
1914.....	610,475,301	9,521,881	3,581,501	2,884,324	1,139,399	537,357	297,339	227,474	99,076	106,511	35,053	63,725	353,440	150,993	34,671	11,018
1913.....	547,357,195	9,124,591	3,716,898	2,443,886	1,074,987	500,823	317,954	226,967	74,907	113,182	14,537	55,376	396,779	152,015	20,977	15,303
1912.....	565,849,271	11,070,251	4,343,108	3,156,171	1,228,294	636,077	313,500	211,903	112,262	125,564	35,242	83,821	480,934	181,667	16,129	145,579
1911.....	585,318,869	8,067,882	3,461,054	2,202,707	1,021,998	436,296	242,073	150,225	84,941	79,530	18,124	48,713	156,724	156,824	4,631	4,042
1910.....	450,447,243	6,413,416	2,444,558	1,887,657	968,422	393,327	178,455	102,346	67,203	57,220	18,823	43,378	95,000	125,592	29,604	1,831
1909.....	417,390,655	8,895,970	3,665,355	2,438,090	1,098,173	565,695	301,789	157,631	96,675	94,782	30,129	58,174	208,943	131,453	42,575	6,506
1908.....	457,788,202	7,633,997	2,956,352	2,385,663	889,083	418,921	262,744	119,470	98,371	90,049	27,684	62,125	200,396	113,997	4,767	4,775
1907.....	481,277,797	9,036,434	3,966,119	2,315,651	1,006,633	567,916	275,868	154,168	121,141	113,630	29,092	65,083	262,283	150,343	732	7,775
1906.....	401,005,921	7,268,090	3,181,143	1,871,441	817,583	486,607	241,747	114,673	112,480	56,375	18,490	44,486	147,269	141,908	29,285	4,603
1905.....	379,965,014	8,609,698	3,967,234	2,011,679	818,304	534,735	295,537	145,564	129,060	62,572	31,163	72,911	336,575	115,857	79,082	9,405
1904.....	370,811,246	6,126,886	2,475,752	1,797,354	734,286	363,295	184,862	105,213	168,506	28,158	16,055	61,488	45,870	88,795	56,172	5,580
1903.....	316,180,429	7,086,086	2,799,096	1,915,094	806,673	444,950	266,336	157,351	181,938	39,912	42,542	82,243	152,826	127,640	66,507	2,978
1902.....	297,651,819	7,001,558	3,132,324	1,705,815	775,773	445,437	270,002	132,232	73,446	39,757	22,418	61,679	178,505	129,016	27,500	7,054
1901.....	313,673,443	6,661,781	3,106,857	1,629,935	754,329	365,359	237,346	154,682	53,171	37,238	53,180	52,325	78,558	102,980	35,103	718
1900.....	241,852,737	6,201,166	2,302,128	1,619,173	736,092	443,951	246,612	148,519	54,950	44,919	74,635	65,635	323,202	109,983	18,522	13,045
1899.....	209,564,774	7,546,821	3,609,444	1,728,975	803,406	417,353	248,635	129,524	95,012	57,127	51,621	84,500	182,734	98,230	36,130	4,130
1898.....	230,442,215	7,700,529	3,532,101	1,858,525	842,038	387,581	263,648	161,941	103,825	35,614	43,509	69,189	224,214	122,495	42,433	13,416
1897.....	230,890,971	6,207,510	3,127,186	1,371,577	716,025	323,117	219,088	83,485	84,570	23,971	34,731	48,790	64,022	80,408	30,207	333
1896.....	190,056,460	4,670,453	2,267,222	1,038,457	478,265	261,644	126,178	87,966	91,622	15,912	14,219	51,367	40,388	68,074	38,817	322
1895.....	204,900,990	7,034,866	3,553,782	1,504,631	790,699	332,656	255,679	145,340	141,998	24,852	25,999	55,319	22,130	105,534	75,953	294
1894.....	210,869,289	5,366,565	2,970,903	909,389	610,854	211,716	225,364	128,907	140,082	960	18,581	39,686	9,603	65,085	35,165	270
1893.....	188,771,445	4,424,230	2,363,176	850,387	568,059	160,019	200,212	90,399	36,356	.....	26,614	22,449	1,586	62,988	41,812	173
1892.....	258,461,241	5,870,440	3,381,685	964,883	692,785	171,003	187,458	134,373	134,392	10,052	27,925	38,996	3,149	79,228	44,235	276
1891.....	290,712,898	5,814,718	3,401,212	1,019,144	553,100	194,022	188,836	97,423	135,611	4,447	43,669	47,478	4,813	69,261	25,682	20



1890	250,968,792	4,943,600	2,905,152	837,641	484,759	129,751	175,339	93,588	193,163	300	17,438	19,927	58,473	26,096	1,974
1889	237,775,270	4,769,633	2,940,800	660,756	400,197	131,068	181,533	147,807	144,036	5,610	44,354	18,264	61,143	33,802	203
1888	223,016,790	4,528,242	2,838,525	560,624	392,197	110,375	169,331	130,791	216,798	.....	27,725	18,258	52,052	11,414	152
1887	206,222,057	4,338,915	2,713,515	561,664	466,090	73,222	138,499	110,288	151,207	.....	43,735	20,517	47,904	11,951	261
1886	205,085,642	4,116,075	2,444,482	569,435	401,643	110,473	168,414	125,069	184,924	5,252	31,672	16,053	37,425	21,035	198
1885	201,962,458	3,783,319	2,419,834	468,987	361,462	79,041	135,319	85,664	135,131	3,898	37,930	17,750	26,398	11,754	151
1884	197,015,204	3,725,145	2,384,254	363,055	457,369	51,725	135,928	30,863	193,639	1,762	53,913	11,027	19,216	22,368	26
1883	247,328,721	4,576,150	2,776,411	538,583	428,829	80,607	196,939	42,055	347,354	4,656	57,610	28,780	32,636	41,155	535
1882	189,812,644	3,479,952	2,361,793	324,962	333,541	44,073	115,264	4,732	184,233	189	33,820	16,706	35,159	25,075	405
1881	247,695,746	4,381,857	2,729,672	466,192	553,854	75,145	127,741	18,318	267,714	4,218	67,502	18,211	25,960	26,772	558
1880	211,535,905	3,644,122	2,433,255	308,045	359,693	59,120	133,873	17,896	204,500	1,699	65,325	21,097	19,619	19,763	231
1879	162,304,250	3,256,746	1,967,549	274,969	393,977	47,617	141,215	19,127	308,647	2,533	51,734	13,280	15,481	19,796	821
1878	180,031,484	3,215,067	2,079,897	243,298	472,062	36,221	81,371	28,383	170,858	3,636	55,909	22,413	14,165	6,844	10
1877	171,118,508	2,890,738	2,040,731	155,211	438,178	23,096	92,061	4,597	50,219	.....	53,711	13,202	11,017	7,940	775
1876	192,659,262	2,982,811	1,914,660	217,092	407,952	46,759	95,122	31,076	161,794	.....	68,532	15,019	9,961	13,945	899
1875	190,638,625	2,520,838	1,823,884	150,570	310,279	18,084	59,627	6,227	131,417	.....	8,141	2,876	7,123	2,610	.....
1874	211,223,580	2,717,205	1,807,144	229,227	354,731	24,597	106,718	17,107	108,181	.....	38,009	18,041	8,022	4,579	849
1873	227,243,069	2,400,127	1,717,299	190,685	226,740	30,568	55,444	24,253	99,147	2,758	38,172	10,916	2,988	1,101	56
1872	180,684,595	1,867,075	1,407,830	85,033	176,374	11,845	65,142	20,197	49,367	.....	45,570	1	3,792	1,914	10
1871	218,327,109	2,925,856	2,204,645	207,972	119,223	42,915	94,312	35,867	62,271	4,330	111,405	14,220	4,786	22,619	1,291
1870	227,027,624	1,917,117	1,298,332	173,552	306,293	14,549	55,409	3,452	30,341	.....	17,050	1,621	3,122	13,219	177
1869	162,033,052	1,288,656	873,087	140,855	201,116	8,956	32,317	374	19,525	.....	5,331	536	2,244	4,084	231
1868	152,820,733	1,569,527	1,129,030	152,643	186,466	12,066	51,241	1,608	11,748	331	5,045	675	2,091	16,457	126
1867	201,470,423	1,322,947	1,048,641	56,396	167,858	7,223	22,068	1,775	10,179	.....	514	214	1,288	6,622	169
1866	281,385,223	1,301,146	1,024,728	32,276	216,470	397	17,631	653	5,372	.....	283	1,107	1,643	101	485
1865	6,836,400	17,789	16,584	283	714	.....	.....	.....	.....	.....	.....	.....	184	.....	24
1864	9,895,854	23,988	19,302	47	3,557	117	.....	.....	.....	.....	.....	.....	110	835	20
1863	6,652,405	22,770	19,681	.....	2,534	.....	.....	.....	.....	.....	26	.....	303	.....	226
1862	1,180,113	10,129	7,091	17	46	1,688	1,166	.....	.....	.....	.....	.....	115	.....	6
1861	34,051,483	615,032	414,685	23,798	114,541	9,373	22,310	11,364	8,502	.....	5,301	1,767	303	2,821	267
1860	101,806,555	3,535,373	2,528,274	132,145	567,935	54,037	88,044	29,601	43,396	14,943	25,515	30,013	2,771	18,087	612
1859	161,434,923	2,772,937	1,887,372	131,362	372,981	42,977	121,046	28,657	87,240	33,113	32,311	22,690	114	11,987	1,087
1858	131,386,661	2,237,248	1,561,905	58,872	357,580	38,996	79,261	18,601	64,220	13,960	16,995	8,334	261	18,169	4
1857	131,575,859	2,096,565	1,367,996	89,866	348,469	34,480	91,114	24,495	63,867	15,229	20,869	22,544	1,715	15,917	4
1856	128,382,351	2,702,863	1,798,656	124,219	443,535	41,710	116,959	46,343	9,287	37,306	26,193	38,194	8,317	12,021	123
1855	88,143,844	2,016,849	1,346,997	61,642	420,228	49,787	66,143	24,439	898	1,910	9,883	18,083	1,766	15,054	19
1854	93,596,220	1,975,666	1,392,494	75,440	288,857	25,452	70,048	27,961	5,830	29,922	12,096	21,589	145	24,292	1,540
1853	109,456,404	2,223,141	1,537,193	46,280	378,454	34,976	73,702	30,989	42,573	35,937	14,078	13,463	24	14,928	544
1852	87,965,732	2,186,461	1,505,148	44,277	372,428	35,868	58,604	54,316	20,950	47,897	20,518	12,396	33	13,400	626
1851	112,315,317	1,854,474	1,341,290	34,480	278,329	20,641	68,545	32,670	20,197	34,618	11,018	10,639	47	1,692	308

<sup>1</sup> Includes Finland and Poland prior to 1919.

<sup>2</sup> Includes Czecho-Slovakia and Hungary prior to 1920.



TABLE 34.—EXPORTS OF DOMESTIC COTTON AND LINTERS—VALUE AND QUANTITY, WITH DISTRIBUTION OF QUANTITY, BY COUNTRIES TO WHICH EXPORTED: 1821 TO 1920—Continued.

[Compiled from Commerce and Navigation of the United States. The statistics of exports since 1865 differ slightly from those in Table 38 because of a difference in the years to which they relate. The figures of this table are for fiscal years.]

YEAR.	Total value.	EXPORTS OF DOMESTIC COTTON (EQUIVALENT 500-POUND BALES) TO—														
		Total.	United Kingdom.	Germany.	France.	Italy.	Spain.	Belgium.	Russia. <sup>1</sup>	Austria. <sup>2</sup>	Netherlands.	All other Europe.	Japan.	Canada.	Mexico.	All other countries.
1850.	\$71,984,616	1,270,763	863,062	10,090	251,668	18,707	55,353	25,492	8,677	18,492	8,590	7,532		89	2,627	384
1849.	66,396,967	2,053,204	1,478,690	27,689	302,680	33,316	46,572	56,227	21,301	26,559	23,775	26,003		194	4,437	5,761
1848.	61,998,294	1,628,549	1,144,006	35,074	272,596	17,184	38,647	30,559	20,534	40,868	9,703	10,129		45		9,204
1847.	53,415,848	1,054,440	702,538	21,779	204,235	26,431	24,627	20,369	11,237	23,561	3,957	7,277		208		8,221
1846.	42,767,341	1,095,116	692,317	15,391	264,106	28,620	235	14,817	8,585	26,764	7,700	7,324		95	8,785	20,377
1845.	51,739,643	1,745,812	1,210,290	34,605	295,659	13,714	673	28,595	14,991	41,786	25,099	7,887		166	3,323	69,024
1844.	54,063,501	1,327,267	973,459	12,579	240,120	6,346	8,249	19,771	5,536	24,456	6,155	2,610		2,797	11,898	13,291
1843.	49,109,806	1,584,594	1,169,691	30,507	273,629	18,371		30,287	6,858	12,032	16,348	898		6	3,265	22,702
1842.	47,593,464	1,169,434	757,395	19,525	311,643	8,817		16,455	5,668	14,187	16,783	2,477		36		16,448
1841.	54,330,341	1,060,408	696,613	12,992	278,790	3,738	36	19,632	1,972	16,263	5,270	4,194		553		20,355
1840.	63,870,307	1,487,882	989,830	18,317	358,180	7,805	1,049	25,780	4,406	26,336	21,698	5,160		59		29,262
1839.	61,238,982	827,248	621,548	1,780	179,565	10	1,179	2,711	4,209	4,741	3,731	3,270				4,504
1838.	61,556,811	1,191,905	883,716	9,437	240,649	460	5,663	11,405	5,577	11,314	15,291	3,069		13	112	5,199
1837.	63,240,102	888,423	643,159	7,530	198,617	1,107	4,665	3,539	1,995	16,860	4,345	3,609		16	4	2,977
1836.	71,284,925	847,263	585,038	14,130	202,727	322	3,252	7,960	2,833	13,925	8,841	6,867		22	14	1,332
1835.	64,961,302	774,718	540,169	5,414	200,994	26	1,756	2,818	1,950	9,886	8,555	1,963		26		1,161
1834.	49,448,402	769,436	569,448	13,235	159,897	382	1,786	2,410	2,521	7,611	9,848	2,128		18		152
1833.	36,191,105	649,397	476,484	3,751	153,666		1,516	2,619	2,895	2,215	2,727	2,788		36	296	404
1832.	31,724,682	644,430	458,015	8,150	154,935	1,162	4,568	(1)	1,678	3,309	2,740	3,756		72		945
1831.	25,289,492	553,960	441,634	4,834	92,287	612	1,111		1,524	5,558	1,945	3,738		678		69
1830.	29,674,883	596,918	419,661	2,246	150,212	471	64		223	5,629	17,135	1,257		19		1
1829.	26,575,311	529,674	349,120	13,746	134,408	2,113			456	8,142	19,196	1,949		21		523
1828.	22,467,229	421,181	293,666	6,782	106,962	814			1,300	1,961	7,562	1,853		33		248
1827.	29,359,545	588,620	425,415	6,797	140,848	296	16		294	366	11,725	2,545		70		248
1826.	25,025,214	409,071	267,758	4,121	124,337				31	67	9,185	2,872		65		635
1825.	36,846,649	352,900	287,426	1,154	60,008	2			268		2,840	1,135		14	44	9
1824.	21,947,401	286,739	202,421	590	81,396				1,003		866	402		41		20
1823.	20,445,520	347,447	280,368	4,717	49,987	435			619	356	9,301	1,455		192	4	13
1822.	24,035,058	289,350	228,028	5,911	43,016	3,913			1,428	420	3,941	674		2		1,117
1821.	20,157,484	249,787	175,438	1,496	54,878	1,796	570		609	70	8,372	2,188				4,370

<sup>1</sup> Included with Netherlands.<sup>2</sup> Includes exports to Belgium.



*Exports of domestic cotton, by months.*—In Table 35 the exports of domestic cotton and linters are presented by months and by the more important countries of destination from August, 1915, to July, 1920, inclusive. The total quantity of linters included in each month's exports is also shown.

TABLE 35.—EXPORTS OF DOMESTIC COTTON AND LINTERS, BY COUNTRIES TO WHICH EXPORTED, BY MONTHS: AUGUST, 1915, TO JULY, 1920, INCLUSIVE.

MONTH.	Year.	EXPORTS OF DOMESTIC COTTON AND LINTERS (RUNNING BALES) TO—								Linters included in exports.
		Total.	United Kingdom.	Germany.	France.	Italy.	Other Europe.	Japan.	All other countries.	
August.....	1919	479,058	239,350	21,747	36,383	30,053	118,133	17,215	16,172	5,186
	1918	287,450	72,816	.....	59,600	65,281	59,505	18,040	12,208	12,644
	1917	459,661	305,039	.....	51,683	64,140	6,808	17,760	14,231	22,039
	1916	425,346	141,050	.....	72,790	98,672	52,213	34,739	25,882	40,904
	1915	162,059	33,748	.....	9,529	48,025	42,749	15,039	12,969	11,736
September.....	1919	236,694	85,589	27,200	5,439	21,346	81,041	4,514	11,565	3,683
	1918	366,375	212,040	.....	44,470	44,799	36,269	12,208	16,589	17,670
	1917	454,047	280,440	.....	89,687	18,341	44,129	12,540	8,910	40,609
	1916	539,679	294,545	.....	64,265	98,115	42,848	30,859	9,047	30,439
	1915	501,585	230,497	.....	92,217	121,043	35,172	15,386	7,270	10,624
October.....	1919	352,231	187,870	33,641	45,350	17,600	37,276	21,740	8,754	820
	1918	353,995	255,558	.....	41,164	15,910	17,879	21,870	16,729	16,729
	1917	530,658	287,670	.....	79,680	81,242	52,041	20,937	9,088	26,394
	1916	796,588	439,802	.....	129,503	63,023	85,372	59,043	22,845	7,430
	1915	675,279	291,740	.....	106,725	139,541	68,462	39,792	29,019	12,480
November.....	1919	924,751	520,881	40,358	120,341	50,094	104,895	73,190	14,992	3,119
	1918	350,003	188,041	.....	33,136	40,606	6,742	52,624	23,854	13,432
	1917	418,685	203,757	.....	47,949	73,404	45,348	29,769	18,458	9,700
	1916	733,270	313,891	.....	124,202	91,056	86,955	82,361	34,805	8,053
	1915	524,392	159,099	.....	105,940	99,097	95,891	32,455	34,910	12,725
December.....	1919	876,843	442,216	31,850	80,167	94,020	48,930	150,692	28,968	3,091
	1918	588,487	248,825	.....	64,182	73,711	89,463	77,727	34,579	1,996
	1917	477,034	248,711	.....	32,975	15,554	45,999	112,009	21,786	6,326
	1916	765,321	396,461	.....	70,306	94,355	67,007	91,052	43,140	9,961
	1915	558,278	276,697	.....	78,646	67,813	58,873	44,534	31,715	11,629
January.....	1920	929,671	479,323	20,053	87,925	99,617	99,757	112,599	30,397	7,391
	1919	658,143	266,823	.....	111,205	42,850	79,572	135,417	22,276	247
	1918	462,562	255,736	.....	61,033	21,489	7,187	83,769	33,348	8,798
	1917	600,853	290,785	.....	81,469	38,712	88,330	79,178	22,429	31,654
	1916	539,415	339,538	.....	25,348	34,800	52,263	55,015	32,451	5,468
February.....	1920	640,320	322,980	31,835	82,080	44,186	58,907	74,745	25,587	6,217
	1919	449,523	178,174	.....	90,130	22,151	61,921	82,475	14,672	1,066
	1918	359,774	188,144	.....	37,749	18,761	3,410	97,624	14,086	7,680
	1917	357,776	163,249	.....	96,975	9,237	40,509	32,910	14,896	35,036
	1916	703,932	425,128	.....	89,520	17,544	86,029	56,210	29,501	15,297
March.....	1920	794,460	375,393	55,847	45,268	62,458	47,989	180,392	27,113	4,471
	1919	504,229	142,664	.....	119,852	46,937	36,189	145,161	13,436	1,271
	1918	311,681	130,522	.....	50,044	1,015	34,346	55,586	40,168	12,687
	1917	355,295	179,198	.....	71,653	29,293	14,950	32,677	27,524	76,570
	1916	464,035	174,797	.....	99,964	53,047	50,350	46,899	38,978	37,638
April.....	1920	546,125	161,938	70,036	22,285	71,908	87,323	115,927	16,708	6,158
	1919	411,916	199,134	.....	14,700	42,081	49,473	89,752	16,876	951
	1918	217,802	38,017	.....	34,297	15,622	24,433	61,716	43,717	15,466
	1917	271,753	86,176	.....	93,251	16,908	39,329	15,682	20,407	87,468
	1916	522,375	212,871	.....	91,365	56,056	85,877	41,661	34,545	34,525
May.....	1920	364,904	121,031	42,017	20,998	32,714	66,308	66,895	14,941	5,550
	1919	444,718	203,848	.....	37,179	46,502	79,757	68,248	9,184	809
	1918	202,041	85,438	.....	68,803	18,196	27,768	57,820	34,016	12,012
	1917	375,822	137,619	.....	93,181	64,208	34,537	18,153	28,124	73,093
	1916	510,081	206,622	.....	71,589	75,000	41,114	63,372	52,884	37,516
June.....	1920	241,449	72,005	43,141	19,552	9,065	31,820	38,060	27,806	3,860
	1919	690,169	352,776	.....	96,068	61,050	98,143	65,323	16,809	3,710
	1918	273,302	162,488	.....	30,931	26,103	8,400	25,160	20,220	9,101
	1917	245,709	101,357	.....	37,851	28,723	45,473	6,468	25,537	19,731
	1916	549,926	262,120	.....	63,408	51,670	69,545	46,627	56,556	51,420
July.....	1920	211,841	60,765	25,454	10,440	46,098	33,836	17,127	18,121	3,475
	1919	528,902	314,499	.....	18,053	70,791	96,395	19,668	9,496	1,879
	1918	218,877	90,581	.....	31,164	19,945	29,706	29,562	17,919	16,802
	1917	271,597	135,087	.....	58,639	11,271	50,156	1,196	15,248	19,176
	1916	479,753	246,305	.....	87,681	28,269	49,561	34,408	33,529	54,380



*Exports of sea-island cotton.*—Statistics of exports of sea-island cotton, by countries to which exported, are given in the following table for the years 1906 to 1920 and for selected years since 1885:

TABLE 36.—EXPORTS OF SEA-ISLAND COTTON, BY COUNTRIES TO WHICH EXPORTED, FOR SPECIFIED YEARS: 1885 TO 1920.

[The statistics for 1915 to 1920 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31.]

YEAR.	EXPORTS OF SEA-ISLAND COTTON (EQUIVALENT 500-POUND BALES) TO—					YEAR.	EXPORTS OF SEA-ISLAND COTTON (EQUIVALENT 500-POUND BALES) TO—				
	Total.	United Kingdom.	France.	Germany.	All other countries.		Total.	United Kingdom.	France.	Germany.	All other countries.
1920.....	3,895	386	745	.....	2,764	1910.....	22,748	18,154	4,074	520	.....
1919.....	3,806	750	5	.....	3,051	1909.....	19,654	13,589	5,070	426	569
1918.....	2,235	450	.....	.....	1,785	1908.....	25,587	17,874	7,112	413	188
1917.....	1,844	1,204	.....	.....	640	1907.....	15,252	11,056	3,925	185	86
1916.....	3,580	1,656	.....	.....	1,924	1906.....	31,624	23,870	6,787	838	129
1915.....	5,824	1,847	.....	516	3,461	1905.....	36,240	30,131	5,193	796	120
1914.....	13,917	8,840	3,248	297	1,532	1895.....	30,455	26,350	3,878	36	191
1913.....	10,003	6,368	3,211	259	165	1890.....	18,568	16,853	1,420	169	126
1912.....	20,192	14,821	4,905	178	288	1885.....	13,708	11,950	1,560	13	185
1911.....	17,797	12,818	4,077	482	420						

#### EXPORTS AND IMPORTS OF COTTON MANUFACTURES.

Closely related to the consumption of cotton in the domestic manufacture of cotton goods is the foreign trade in these fabrics. Table 37, which shows for selected years the total value of imports of cotton manufactures from and exports to the different countries, has been compiled by the Bureau of Foreign and Domestic Commerce of the Department of Commerce.



TABLE 37.—VALUE OF EXPORTS AND IMPORTS OF COTTON MANUFACTURES, BY COUNTRIES TO WHICH EXPORTED OR FROM WHICH IMPORTED, FOR THE YEARS ENDING JUNE 30, 1900, 1905, 1906, AND 1909 TO 1919.

[Compiled by the Bureau of Foreign and Domestic Commerce, Department of Commerce.]

COUNTRY.	1919	1918	1917	1916	1915	1914	1913
<b>EXPORTS.</b>							
Total.....	\$232, 206, 566	\$169, 378, 223	\$136, 290, 842	\$112, 053, 235	\$71, 685, 259	\$51, 467, 233	\$53, 743, 977
<b>EUROPE:</b>							
United Kingdom..	12, 796, 495	10, 070, 789	10, 779, 950	26, 706, 477	23, 694, 368	4, 360, 288	4, 782, 758
Germany.....	(1)			1, 468	117, 311	1, 654, 368	1, 304, 519
All other Europe..	38, 907, 913	9, 489, 084	9, 507, 287	11, 537, 916	6, 287, 823	2, 237, 685	1, 889, 399
<b>AMERICA:</b>							
Canada.....	30, 555, 383	27, 984, 121	28, 264, 480	18, 274, 627	9, 771, 888	9, 559, 177	10, 536, 412
Mexico.....	11, 057, 043	18, 606, 003	11, 011, 886	4, 891, 956	2, 260, 834	1, 200, 704	1, 064, 892
Central America..	10, 123, 223	4, 877, 986	8, 004, 905	4, 564, 638	1, 982, 498	3, 530, 303	3, 434, 742
British West Indies (including Bermuda).....	3, 524, 740	3, 506, 299	2, 468, 030	1, 973, 542	1, 233, 055	1, 342, 519	1, 022, 049
Cuba.....	16, 819, 419	17, 728, 667	10, 630, 627	7, 741, 671	4, 325, 431	2, 832, 602	2, 903, 395
Haiti.....	4, 533, 777	2, 696, 510	2, 496, 083	2, 276, 749	770, 452	1, 706, 208	1, 465, 690
All other North America.....	3, 279, 006	5, 668, 253	3, 231, 716	1, 584, 558	2, 131, 500	919, 824	1, 138, 534
Brazil.....	5, 859, 310	3, 597, 927	1, 588, 549	782, 755	182, 715	229, 262	386, 368
Chile.....	10, 380, 453	7, 333, 773	4, 489, 399	1, 638, 043	639, 031	889, 544	808, 674
Colombia.....	3, 351, 124	2, 355, 123	3, 793, 316	2, 607, 192	846, 793	849, 433	1, 453, 774
Peru.....	2, 178, 639	2, 728, 782	2, 584, 311	675, 686	128, 301	216, 169	198, 331
Venezuela.....	1, 482, 650	1, 012, 670	2, 278, 406	1, 114, 606	413, 203	413, 096	376, 314
All other South America.....	34, 956, 963	21, 761, 643	13, 547, 220	8, 529, 655	1, 609, 616	1, 201, 848	1, 281, 848
<b>ASIA AND OCEANIA:</b>							
China.....	2, 954, 883	1, 217, 295	681, 044	953, 677	1, 261, 601	6, 188, 192	5, 796, 984
British India.....	933, 505	1, 034, 590	894, 450	1, 262, 347	1, 032, 999	1, 071, 397	1, 276, 076
British Australasia.	12, 601, 593	5, 654, 326	5, 812, 428	5, 312, 125	2, 333, 682	1, 900, 201	1, 813, 058
Aden.....	206, 821	173, 986	1, 134, 218	1, 012, 830	1, 478, 922	1, 018, 906	1, 433, 950
Philippine Islands.	17, 179, 046	17, 262, 881	9, 340, 976	5, 976, 922	7, 868, 489	6, 706, 094	7, 077, 165
All other Asia and Oceania.....	4, 832, 686	1, 747, 806	1, 625, 716	777, 938	454, 099	677, 668	771, 210
<b>AFRICA:</b>							
Total.....	3, 691, 894	2, 869, 709	2, 134, 815	1, 855, 837	860, 648	761, 745	1, 527, 835
<b>IMPORTS.</b>							
Total.....	34, 762, 723	44, 751, 181	56, 181, 684	47, 511, 870	46, 205, 123	69, 410, 964	63, 935, 983
<b>EUROPE:</b>							
United Kingdom..	23, 192, 647	30, 303, 244	39, 542, 259	27, 772, 312	20, 220, 239	23, 852, 547	20, 361, 396
Germany.....	(1)		53, 500	1, 991, 717	10, 140, 775	17, 617, 863	16, 406, 123
France.....	3, 555, 197	3, 358, 727	5, 856, 723	6, 710, 360	5, 929, 776	14, 836, 509	12, 264, 492
Switzerland.....	1, 326, 133	2, 365, 277	4, 286, 848	7, 879, 254	7, 360, 128	10, 335, 521	11, 546, 075
Belgium.....	621	1, 431	9, 695	28, 342	220, 702	416, 844	465, 001
Austria-Hungary..	(1)			20, 344	195, 331	432, 380	600, 780
Italy.....	266, 191	588, 030	1, 526, 695	741, 448	421, 409	338, 273	337, 895
Spain.....	23, 754	68, 017	90, 595	72, 272	115, 840	99, 501	88, 779
Turkey (including Asiatic Turkey) ..	(1)			2, 796	25, 353	190, 002	509, 749
All other Europe..	304, 245	186, 733	286, 394	235, 161	187, 495	146, 946	152, 678
<b>AMERICA:</b>							
Canada.....	2, 078, 544	2, 679, 683	184, 367	77, 962	129, 768	30, 193	19, 892
Mexico.....	11, 035	15, 250	90, 814	34, 649	35, 088	25, 687	21, 932
All other America ..	3, 037	46, 063	7, 796	6, 337	13, 227	4, 706	10, 649
<b>ASIA AND OCEANIA:</b>							
Japan.....	1, 363, 512	4, 280, 957	3, 844, 581	1, 861, 382	1, 156, 104	1, 007, 133	1, 029, 086
China.....	456, 128	769, 279	840, 694	61, 864	28, 767	45, 235	56, 174
British India.....	5, 548	18, 192	23, 578	3, 578	6, 370	13, 381	31, 150
All other countries..	2, 176, 131	70, 298	37, 145	12, 092	18, 751	18, 343	34, 132

1 Included in "All other Europe."



TABLE 37.—VALUE OF EXPORTS AND IMPORTS OF COTTON MANUFACTURES, BY COUNTRIES TO WHICH EXPORTED OR FROM WHICH IMPORTED, FOR THE YEARS ENDING JUNE 30, 1900, 1905, 1906, AND 1909 TO 1919—Continued.

COUNTRY.	1912	1911	1910	1909	1906	1905	1900
<b>EXPORTS.</b>							
Total.....	\$50,769,511	\$40,851,918	\$33,398,672	\$31,878,566	\$52,944,033	\$49,666,080	\$24,003,087
<b>EUROPE:</b>							
United Kingdom.....	3,946,923	3,511,690	2,857,625	2,092,212	2,042,377	1,446,409	1,256,729
Germany.....	933,429	927,166	896,351	1,035,235	971,647	601,541	385,683
All other Europe.....	1,594,826	1,055,002	979,590	738,992	654,353	383,692	270,229
<b>AMERICA:</b>							
Canada.....	8,590,398	6,474,722	5,242,511	3,712,506	3,587,567	3,030,341	2,691,992
Mexico.....	988,263	797,617	772,127	646,488	821,302	880,074	958,889
Central America.....	3,945,437	3,417,774	2,511,625	2,456,345	2,260,618	2,052,298	1,176,142
British West Indies (including Bermuda)...	1,329,675	967,547	819,124	950,876	713,885	659,382	435,949
Cuba.....	3,090,262	2,235,350	1,644,498	1,906,964	1,507,473	1,330,260	612,252
Haiti.....	1,756,755	1,510,425	1,220,290	1,258,197	822,815	524,860	745,663
All other North America.....	1,112,072	999,611	762,347	579,181	452,468	650,342	560,290
Brazil.....	308,712	413,184	388,760	265,177	636,374	823,120	436,111
Chile.....	805,125	1,001,591	666,133	490,016	898,155	764,468	531,130
Colombia.....	1,162,092	980,984	892,886	823,216	693,021	896,143	310,362
Peru.....	227,607	176,323	158,476	104,760	112,797	157,202	113,338
Venezuela.....	498,079	449,254	289,797	346,443	429,645	438,094	333,294
All other South America.....	1,142,989	1,011,398	963,874	1,005,291	902,684	1,105,447	355,556
<b>ASIA AND OCEANIA:</b>							
China.....	7,471,103	5,412,849	5,847,392	8,067,472	29,814,075	28,017,190	8,804,778
British India.....	979,850	715,174	732,184	760,677	655,346	486,843	524,419
British Australasia.....	1,694,068	1,773,201	962,154	979,440	1,285,085	1,079,179	622,228
Aden.....	2,026,394	1,067,382	464,413	1,312,265	1,634,134	1,140,875	(1)
Philippine Islands.....	5,277,192	4,305,618	2,936,398	1,059,042	403,896	850,244	(1)
All other Asia and Oceania.....	613,115	681,955	690,710	605,024	862,092	1,761,726	1,838,346
<b>AFRICA.....</b>	<b>1,275,145</b>	<b>966,201</b>	<b>699,407</b>	<b>682,747</b>	<b>782,224</b>	<b>586,350</b>	<b>1,039,707</b>
<b>IMPORTS.</b>							
Total.....	63,506,574	64,056,473	66,473,143	62,010,286	63,043,322	48,919,936	41,296,239
<b>EUROPE:</b>							
United Kingdom.....	19,400,725	19,747,868	20,365,696	19,951,548	19,446,227	15,089,333	17,110,588
Germany.....	15,384,519	15,689,422	16,707,993	14,859,770	16,459,615	14,332,763	8,863,297
France.....	11,694,388	11,189,892	11,820,515	11,959,565	13,038,125	8,701,625	5,623,340
Switzerland.....	13,902,023	14,988,217	15,463,607	13,533,057	12,578,536	9,728,717	8,975,580
Belgium.....	554,375	484,744	522,323	558,974	458,557	354,214	321,863
Austria-Hungary.....	615,410	604,556	659,844	490,658	218,974	113,833	107,128
Italy.....	310,025	199,036	125,661	66,399	97,520	41,281	10,093
Spain.....	104,482	109,488	57,965	49,027	86,952	57,400	2,747
Turkey (including Asiatic Turkey).....	582,899	271,834	156,228	90,564	43,725	42,796	68,355
All other Europe.....	121,867	97,566	115,709	80,937	132,716	82,952	19,634
<b>AMERICA:</b>							
Canada.....	19,108	46,788	21,470	10,877	10,467	19,429	6,527
Mexico.....	56,248	42,716	29,765	23,414	39,110	44,154	33,328
All other America.....	7,801	15,788	10,441	4,778	2,074	2,465	1,460
Japan.....	665,926	490,177	292,951	236,062	316,278	202,736	71,066
China.....	30,819	31,641	16,306	11,180	14,657	25,618	25,073
British India.....	34,237	28,255	44,789	21,984	67,872	50,441	47,742
All other countries.....	21,722	18,485	61,880	61,492	31,917	30,179	8,418

<sup>1</sup> Included in "All other Asia and Oceania."<sup>2</sup> Includes exports to Hawaii, valued at \$584,398.

## PRODUCTION, CONSUMPTION, EXPORTS, AND IMPORTS OF COTTON.

Table 38 shows the production of cotton, average net weight of bale, average value per pound, consumption of cotton and linters, exports of domestic cotton, and net imports of raw cotton from 1790 to 1919. The value of this table lies chiefly in its presentation for comparative purposes of relative quantities of each of the items shown for a series of years. The data here given can not be used for arriving at the aggregate supply and distribution of cotton and linters for a number of years, or even for a single year, as the table does not take into account stocks carried over, destroyed, or the balancing item shown in Tables 1 and 2 and explained on page 10.



TABLE 38.—PRODUCTION, CONSUMPTION, EXPORTS, AND NET IMPORTS OF RAW COTTON, FOR THE UNITED STATES: 1790 TO 1919.

*Production.*—The production statistics relate, when possible, to the year of growth, but when figures for the growth year are wanting, those for a commercial crop which represents the trade movement, have been taken. The statistics of production for the years 1790 to 1898, inclusive, have been compiled from publications of the Department of Agriculture; for the years 1899 to 1919, inclusive, and for other years, when available, census figures have been used.

*Price of upland cotton.*—For the years 1910 to 1919, inclusive, the price per pound shown for upland cotton represents the average price received for cotton by the growers as computed by the Department of Agriculture; for the years 1902 to 1909 it is the average price of the average grade marketed in New Orleans prior to April of the following year; for the years 1890 to 1901, inclusive, it is the average price of middling cotton on the New Orleans Cotton Exchange; and for the years 1790 to 1889, inclusive, it is taken from reports of the Department of Agriculture.

*Consumption.*—The statistics of consumption for the years 1790 to 1894, inclusive, have been compiled from publications of the Department of Agriculture, and those for the years 1895 to 1903, inclusive, from the reports of Latham, Alexander & Co. Census figures have been used for the years 1904 to 1919, inclusive, and for other years when available. The statistics relate to the 12 months during which the crop of the specified year was chiefly marketed, and not to the calendar year specified.

*Domestic exports and net imports.*—For the years 1790 to 1819, inclusive, the statistics have been taken from American state papers, and for the years 1820 to 1919 from the reports on Commerce and Navigation of the United States, published by the Bureau of Foreign and Domestic Commerce, Department of Commerce. For the years 1790 to 1842, inclusive, the statistics of exports relate to the 12 months beginning with October 1 of the specified year; for 1843 to 1866, inclusive, to the 12 months beginning with July 1; for 1867 to 1913, inclusive, to the 12 months beginning with September 1; and for 1914 to 1919 to the 12 months beginning with August 1. The statistics of imports relate to the same periods as the statistics of exports.

YEAR.	COTTON PRODUCTION (INCLUDING LINTERS).				Consumption of cotton and linters (equivalent 500-pound bales). <sup>1</sup>	Exports of domestic cotton (equivalent 500-pound bales).	Net imports (equivalent 500-pound bales).
	Running bales, counting round as half bales.	Equivalent 500-pound bales, gross weight.	Average net weight of bale (lbs.).	Average price per pound, upland cotton (cents).			
1919.....	11,920,625	12,028,732	482	35.4	6,807,817	6,760,887	682,911
1918.....	12,816,716	12,970,048	484	28.8	6,288,922	5,663,920	197,201
1917.....	12,344,664	12,428,094	480	27.1	7,555,191	4,587,000	217,381
1916.....	12,664,078	12,780,644	482	17.3	7,721,354	5,963,682	288,486
1915.....	12,012,813	12,122,961	484	11.2	7,326,598	6,405,993	420,995
1914.....	16,738,241	16,991,830	485	7.3	6,087,338	8,931,253	363,595
1913.....	14,613,964	14,795,367	484	12.5	5,942,808	9,256,028	265,646
1912.....	14,090,863	14,313,015	486	11.5	5,867,431	9,199,093	225,460
1911.....	16,109,349	16,250,276	483	9.6	5,400,005	10,681,332	229,268
1910.....	11,965,962	12,005,688	480	14.0	4,713,126	8,025,991	231,191
1909.....	10,386,209	10,315,382	475	14.3	4,759,364	6,491,843	151,895
1908.....	13,432,131	13,687,306	484	9.2	5,198,963	8,889,724	165,451
1907.....	11,325,882	11,375,461	480	11.5	4,493,028	7,779,508	140,869
1906.....	13,305,265	13,595,498	489	10.0	4,974,199	8,825,236	202,733
1905.....	10,725,602	10,804,556	482	10.9	4,877,465	6,975,494	133,464
1904.....	13,697,310	13,679,954	478	8.7	4,523,208	9,057,397	130,182
1903.....	10,015,721	10,045,615	480	12.2	3,980,567	6,233,682	100,298
1902.....	10,784,473	10,827,168	481	8.2	4,187,076	6,913,506	149,113
1901.....	9,748,546	9,675,771	489	8.1	4,080,287	6,870,313	190,080
1900.....	10,245,602	10,266,527	480	9.3	3,603,516	6,806,572	116,610
1899.....	9,507,786	9,459,935	476	7.6	3,687,253	6,167,623	134,778
1898.....	11,189,205	11,435,368	489	4.9	3,672,097	7,626,525	103,223
1897.....	10,897,857	10,985,040	482	5.6	3,472,398	7,811,031	105,802
1896.....	8,532,705	8,515,640	477	7.3	2,841,394	6,124,026	114,712
1895.....	7,161,094	7,146,772	477	8.2	2,499,731	4,761,505	112,001
1894.....	9,901,251	10,025,534	484	5.9	2,983,665	6,961,372	99,399
1893.....	7,493,000	7,433,056	474	7.5	2,300,276	5,307,295	59,405
1892.....	6,700,365	6,658,313	475	8.4	2,415,875	4,485,251	85,735
1891.....	9,035,379	8,940,867	473	7.3	2,846,753	5,896,800	64,394
1890.....	8,652,597	8,562,089	473	8.6	2,604,491	5,850,219	45,580
1889.....	7,472,511	7,472,511	478	11.5	2,518,409	4,928,921	18,334
1888.....	6,938,290	6,923,775	477	10.7	2,309,250	4,730,192	15,284
1887.....	7,046,833	6,884,667	467	10.3	2,205,302	4,519,254	11,983
1886.....	6,505,087	6,314,561	464	10.3	2,049,687	4,301,542	7,552
1885.....	6,575,681	6,369,341	463	9.4	2,094,682	4,200,651	8,270
1884.....	5,682,000	5,477,448	460	10.5	1,687,108	3,783,319	7,144
1883.....	5,713,200	5,521,963	462	10.6	1,813,865	3,733,369	11,247
1882.....	6,949,756	6,833,442	470	10.6	2,038,400	4,911,331	4,716
1881.....	5,456,048	5,136,447	450	12.2	1,849,457	3,376,521	3,261
1880.....	6,605,750	6,356,998	460	11.3	1,865,922	4,453,495	5,447
1879.....	5,755,359	5,466,387	454	12.0	1,500,688	3,742,752	7,578
1878.....	5,074,155	4,745,078	447	10.8	1,457,266	3,290,167	5,049

<sup>1</sup> Data collected in running bales. Conversion based on average weights of bales produced, which for the country are heavier than those consumed.



## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 38.—PRODUCTION, CONSUMPTION, EXPORTS, AND NET IMPORTS OF RAW COTTON FOR THE UNITED STATES: 1790 TO 1919—Continued.

YEAR.	COTTON PRODUCTION (EXCLUSIVE OF LINTERS).				Consumption of cotton and linters (equivalent 500-pound bales).	Exports of domestic cotton (equivalent 500-pound bales).	Net imports (equivalent 500-pound bales).
	Running bales, counting round as half bales.	Equivalent 500-pound bales, gross weight.	Average net weight of bale (lbs.).	Average price per pound, upland cotton (cents).			
1877.....	4,773,865	4,494,224	450	11.3	1,458,667	3,197,439	5,046
1876.....	4,474,069	4,118,390	440	11.7	1,314,489	2,839,418	4,832
1875.....	4,632,313	4,302,818	444	13.0	1,255,712	3,037,650	4,498
1874.....	3,832,991	3,528,276	440	15.0	1,098,163	2,504,118	3,784
1873.....	4,170,388	3,873,750	444	17.0	1,213,052	2,682,631	3,541
1872.....	3,930,508	3,650,932	444	18.2	1,115,691	2,470,590	10,016
1871.....	2,974,351	2,756,564	443	20.5	1,146,730	1,824,937	6,374
1870.....	4,352,317	4,024,527	442	17.0	1,026,583	2,922,757	1,802
1869.....	3,011,996	2,409,597	440	24.0	796,616	1,987,708	3,026
1868.....	2,366,467	2,198,141	444	29.0	860,481	1,300,449	1,870
1867.....	2,519,554	2,345,610	445	24.9	844,044	1,502,756	345
1866.....	2,097,254	1,948,077	444	31.6	715,258	1,401,697	2,103
1865.....	2,269,316	2,093,658	441	43.2	614,540	1,301,146	10,322
1864.....	300,000	299,372	477	83.4	344,278	17,789	68,798
1863.....	450,000	449,059	477	101.5	219,540	23,988	52,405
1862.....	1,600,000	1,596,653	477	67.2	287,397	22,770	67,695
1861.....	4,500,000	4,490,586	477	31.3	369,226	10,129	61,731
1860.....	3,849,469	3,841,416	477	13.0	841,975	615,032	.....
1859.....	5,387,052	4,309,642	461	11.0	845,410	3,535,373	.....
1858.....	4,018,914	3,758,273	447	12.1	867,489	2,772,937	.....
1857.....	3,257,339	3,012,016	442	12.2	550,708	2,237,248	.....
1856.....	3,093,737	2,873,680	444	13.5	761,614	2,096,565	1,678
1855.....	3,665,557	3,220,782	420	10.3	731,484	2,702,863	2,295
1854.....	2,982,634	2,708,082	434	10.4	641,391	2,016,849	4,425
1853.....	3,074,979	2,766,194	430	11.0	663,204	1,975,666	1,141
1852.....	3,416,214	3,130,338	438	11.0	736,468	2,223,141	1,423
1851.....	3,126,310	2,799,290	428	9.5	617,468	2,186,461	512
1850.....	2,454,442	2,136,083	416	12.1	422,626	1,854,474	330
1849.....	2,469,093	1,975,274	429	12.3	575,506	1,270,763	485
1848.....	2,866,938	2,615,031	436	7.5	586,032	2,053,204	22
1847.....	2,439,786	2,128,433	417	8.0	537,427	1,628,549	558
1846.....	1,778,651	1,603,763	431	11.2	385,916	1,054,440	122
1845.....	2,100,537	1,806,110	411	7.9	363,365	1,095,116	386
1844.....	2,394,503	2,078,910	415	5.6	337,730	1,745,812	2,680
1843.....	2,030,409	1,750,060	412	7.7	298,872	1,327,267	517
1842.....	2,378,875	2,035,481	409	7.2	278,196	1,584,594	1,835
1841.....	1,683,574	1,398,282	397	7.8	222,461	1,169,434	107
1840.....	1,634,954	1,347,640	394	9.5	245,045	1,060,408	1,210
1839.....	2,063,915	1,653,722	383	8.9	236,525	1,487,882	297
1838.....	1,360,532	1,092,980	384	13.4	221,738	827,248	319
1837.....	1,801,497	1,428,384	379	10.1	195,100	1,191,905	355
1836.....	1,423,930	1,129,016	379	13.2	176,449	888,423	2,510
1835.....	1,360,725	1,061,821	373	16.5	184,731	847,263	427
1834.....	1,253,406	962,343	367	17.4	166,523	774,718	1,574
1833.....	1,225,895	930,962	363	12.9	149,159	769,436	308
1832.....	1,114,286	815,900	350	12.3	142,352	649,397	69
1831.....	1,069,444	805,439	360	9.4	130,895	644,430	2,222
1830.....	1,026,393	732,218	341	9.7	129,938	553,960	22
1829.....	1,076,696	763,598	339	10.0	89,723	596,918	378
1828.....	953,079	679,916	341	9.9	84,788	529,674	2,40
1827.....	805,970	564,854	335	10.3	84,516	421,181	597
1826.....	1,057,402	732,218	331	9.3	103,535	588,620	74
1825.....	817,308	533,473	312	12.2	.....	409,071	79
1824.....	751,748	449,791	286	18.6	.....	352,900	26
1823.....	656,029	387,029	282	14.7	.....	286,739	932

<sup>1</sup> Equivalent 400-pound bales.<sup>2</sup> Excess of exports of foreign cotton over total imports.



TABLE 38.—PRODUCTION, CONSUMPTION, EXPORTS, AND NET IMPORTS OF RAW COTTON FOR THE UNITED STATES: 1790 TO 1919—Continued.

YEAR.	COTTON PRODUCTION (EXCLUSIVE OF LINTERS).				Consumption of cotton and linters (equivalent 500-pound bales).	Exports of domestic cotton (equivalent 500-pound bales).	Net imports (equivalent 500-pound bales).
	Running bales, counting round as half bales.	Equivalent 500-pound bales, gross weight.	Average net weight of bale (lbs.).	Average price per pound, upland cotton (cents).			
1822.....	704, 698	439, 331	298	11. 4	.....	347, 447	110
1821.....	636, 042	376, 569	283	14. 3	.....	289, 350	<sup>1</sup> 196
1820.....	575, 540	334, 728	278	14. 3	100, 000	249, 787	427
1819.....	632, 576	349, 372	264	17. 0	.....	255, 720	<sup>1</sup> 4, 571
1818.....	446, 429	261, 506	280	24. 0	.....	175, 994	<sup>1</sup> 4, 454
1817.....	465, 950	271, 967	279	34. 0	.....	184, 942	3, 086
1816.....	439, 716	259, 414	282	23. 0	.....	171, 299	2, 048
1815.....	399, 004	209, 205	271	29. 0	.....	163, 894	<sup>1</sup> 44
1814.....	254, 545	146, 444	275	21. 0	51, 778	165, 997	<sup>1</sup> 266
1813.....	304, 878	156, 904	246	15. 5	.....	35, 458	101
1812.....	304, 878	156, 904	246	12. 5	.....	38, 220	3, 133
1811.....	325, 203	167, 364	246	10. 5	.....	57, 775	897
1810.....	286, 195	177, 824	297	15. 5	35, 565	124, 116	431
1809.....	328, 000	171, 548	250	16. 0	33, 473	186, 523	<sup>1</sup> 560
1808.....	334, 821	156, 904	224	16. 0	.....	101, 981	<sup>1</sup> 1, 601
1807.....	289, 855	167, 364	276	19. 0	.....	21, 261	6, 297
1806.....	285, 714	167, 364	280	21. 5	.....	127, 889	1, 485
1805.....	304, 348	146, 444	230	22. 0	.....	71, 315	961
1804.....	261, 044	135, 983	249	23. 0	23, 013	76, 780	456
1803.....	222, 222	125, 523	270	20. 0	.....	70, 068	183
1802.....	231, 092	115, 063	238	19. 0	.....	75, 424	<sup>1</sup> 1, 153
1801.....	210, 526	100, 418	228	19. 0	.....	47, 768	<sup>1</sup> 170
1800.....	153, 509	73, 222	228	44. 0	18, 829	41, 822	8, 696
1799.....	88, 889	41, 841	225	28. 0	16, 737	35, 580	8, 870
1798.....	66, 667	31, 381	225	44. 0	.....	19, 065	7, 532
1797.....	48, 889	23, 013	225	39. 0	.....	18, 720	7, 761
1796.....	44, 444	20, 921	225	34. 0	.....	7, 577	7, 336
1795.....	35, 556	16, 736	225	36. 5	.....	12, 213	8, 737
1794.....	35, 556	16, 736	225	36. 5	.....	9, 414	8, 592
1793.....	22, 222	10, 460	225	33. 0	.....	3, 565	5, 127
1792.....	13, 333	6, 276	225	32. 0	.....	1, 097	5, 503
1791.....	8, 889	4, 184	225	29. 0	.....	277	1, 112
1790.....	6, 667	3, 138	225	25. 0	11, 000	379	697

<sup>1</sup> Excess of exports of foreign cotton over total imports.



## WORLD'S PRODUCTION AND CONSUMPTION OF COTTON.

The world's activities in the several branches of the cotton industry during the year ending July 31, 1920, shared with other activities the effects of unsettled conditions of trade and labor. In the face of prevailing high prices for cotton the acreage in the United States was reduced by 2,442,000, or 6.8 per cent, and in Russia, Turkey, and western Asia, according to best advices, by about 50 per cent. The acreage in India was increased 1,702,000, a little more than 8 per cent, and in Egypt 216,000, about 15 per cent. In other less important countries increases were made, but the total of such increases are negligible when considered in connection with the world's cotton-producing area. The world's crop for the year showed an increase over the preceding crop of about 1,300,000 bales. Practically all manufacturing countries increased their consumption of cotton over the year ending July 31, 1919, but the total increase was not so large as was promised by the general situation at the beginning of the year. As it was, the consumption fell short of the production by approximately 1,100,000 bales, and the world's stocks July 31, 1920, were accordingly increased by that amount over those a year before.

The sources of information in detail as to the production and consumption of cotton have never been adequate or altogether satisfactory for many countries. The United States is the only country which has provided an efficient means of determining the supply and distribution of cotton within its borders. Other governments in the principal cotton-producing countries have been providing estimates, approximately correct, and practically reliable. The Indian Government publishes a memorandum from time to time during the cotton year based upon estimates received from the several producing provinces. The Egyptian Government publishes monthly returns showing the number and weight of steam-pressed bales from September 1 of each season to the date to which the report relates, but complete data are not available until the end of the year, and do not necessarily represent the actual growth of the season. For practical uses before definite information is given out by the Egyptian Survey Department reliance is placed upon the estimates of the Alexandria Produce Association.

For information as to production in all other cotton-growing countries and as to consumption in all countries except the United States reliance is placed on consular reports, special correspondence, trade reports, and the careful consideration of such accounts of the movements of cotton as are available. Thus it is seen that for all countries except our own the element of estimation enters into the figures of production and consumption to a greater or less extent, according to the degree of completeness and reliability of the information available.

### WORLD'S COTTON PRODUCTION.

Under these conditions, the following table, which purports to give the world's production of commercial cotton from the crops of 1914 to 1919, inclusive, by countries, has been prepared. It is believed, however, that for practical purposes the figures are fairly representative and reliable. Some revision for years prior to 1919, as published in former bulletins, has been made.

The weights of the packages into which the several foreign cottons are packed vary from 200 pounds or less to 750 pounds or more. For this reason the production of all the countries, including that of the United States, has been expressed in the above table in equivalent bales of 500 pounds, net weight, in order to provide a practical unit for comparative purposes which will at the same time convey the conventional idea of actual quantity.



TABLE 39.—WORLD'S PRODUCTION OF COMMERCIAL COTTON, BY COUNTRIES: 1914 TO 1919.

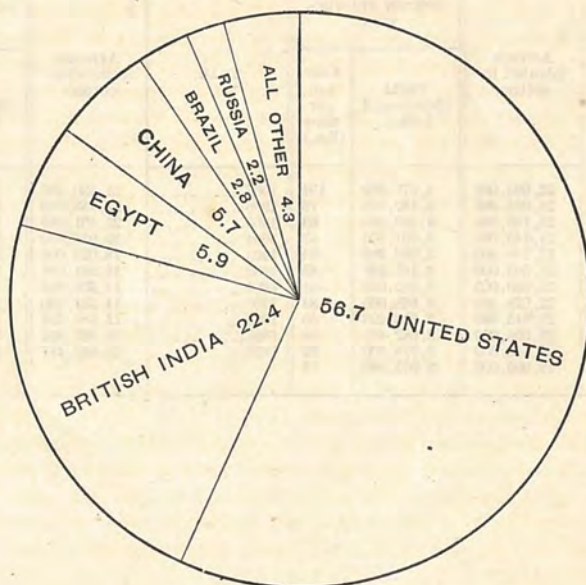
COUNTRY.	COTTON PRODUCTION (BALES OF 500 POUNDS NET).					
	1919	1918	1917	1916	1915	1914
Total.....	19,260,000	17,940,000	17,343,000	18,092,000	17,649,000	23,768,000
United States.....	10,924,000	11,520,000	10,811,000	10,956,000	10,709,000	15,438,000
India <sup>1</sup> .....	4,316,000	2,822,000	2,840,000	3,242,000	2,630,000	3,807,000
Russia.....	420,000	556,000	578,000	1,065,000	1,465,000	1,247,000
Egypt.....	1,139,000	955,000	1,249,000	1,012,000	952,000	1,286,000
China <sup>2</sup> .....	1,100,000	900,000	1,830,000	810,000	845,000	750,000
Brazil.....	536,000	524,000	400,000	309,000	250,000	440,000
Mexico.....	200,000	130,000	125,000	140,000	125,000	125,000
Peru.....	165,000	114,000	110,000	108,000	93,000	103,000
All other countries.....	460,000	425,000	400,000	450,000	580,000	572,000

<sup>1</sup> The amounts for India do not include cotton used in home manufacture, although such cotton is included in the reports of cotton produced compiled by the Indian Government.

<sup>2</sup> Consists of cotton exported and cotton consumed in spinning mills.

The world's production of cotton in 1919—that is, cotton destined to enter commercial channels for factory purposes—is indicated to be 19,260,000 bales, not including linters in the United States, which item would add 582,000 bales to the total. The crop of 1917 was the smallest for any year covered by the table, being less than that of 1914 by 6,425,000 bales. The average production for mill consumption during the six years covered by the table was 19,009,000 bales, or 251,000 bales less than the production of 1919. In addition to the amounts shown in the table, considerable quantities of cotton are produced in some countries and consumed in the homes of the people without entering commercial channels. This is the case especially in China and to a less extent in other eastern countries; but the amount of such cotton can not be estimated with any degree of accuracy.

DIAGRAM 4.—PROPORTION OF WORLD'S MILL SUPPLY OF COTTON CONTRIBUTED BY EACH COUNTRY: 1919.





The relative importance of the several cotton-producing countries is indicated by the following percentages: Of the total production of commercial cotton in 1919, the United States contributed 56.7 per cent, India 22.4 per cent, Egypt 5.9 per cent. China 5.9 per cent, Brazil 2.8 per cent, and Russia 2.2 per cent.

*United States.*—Some idea of the importance of cotton production in the United States from an economic standpoint may be had when it is considered that the comparatively small crop of 1919 was, next to corn, the most valuable crop grown in the country. The value of the cotton crop of 1909 represented 15 per cent of the total value of all the crops of the country. Unmanufactured cotton was the largest single item of export during the fiscal year 1920, its value amounting to \$1,381,707,502, or 17.4 per cent of the total value of all articles of domestic merchandise exported during the year. The large quantity which entered foreign trade, combined with the 6,807,-817 bales of 500 pounds gross weight, including linters, consumed in domestic manufacture, strikingly indicates the importance of this staple in the economic affairs of the Nation.

*India.*—According to the Final General Memorandum on the cotton crop of 1919-20, issued by the Indian Government, the total outturn is estimated at 4,676,000 bales of 500 pounds each. However, as a rule, the Government estimates are too low when considered in connection with the figures of cotton exported and of cotton consumed, While in some years the estimates closely approximate the movement, in other years they are much below it. Table 40 presents statistics of cotton acreage, production, and yield per acre for India since 1897.

There were 23,063,000 acres in cotton in India in 1919, an increase of 2,025,000 acres compared with 1918, but 2,125,000 acres less than in 1917. The crop of 1919 shows an increase of 1,494,000 bales over that of 1918. Statistics of the acreage in cotton and the production by Provinces, for the crops of 1915 to 1919, inclusive, are given in Table 41.

TABLE 40.—COTTON ACREAGE, PRODUCTION, AND YIELD PER ACRE IN INDIA: 1897 TO 1919.

YEAR.	Acreage planted in cotton.	COTTON PRODUCTION.		YEAR.	Acreage planted in cotton.	COTTON PRODUCTION.	
		Total (500-pound bales).	Average per acre (lbs.).			Total (500-pound bales).	Average per acre (lbs.).
1919.....	23,063,000	4,676,000	101	1907.....	21,630,000	2,497,600	58
1918.....	21,038,000	3,182,400	76	1906.....	22,488,000	3,926,400	88
1917.....	25,188,000	3,200,000	63	1905.....	20,401,000	3,389,600	83
1916.....	21,745,000	3,601,600	83	1904.....	19,918,000	3,060,800	77
1915.....	17,746,000	2,990,400	84	1903.....	18,025,000	2,863,714	79
1914.....	24,595,000	4,167,200	85	1902.....	16,581,046	3,000,439	90
1913.....	25,020,000	4,052,000	81	1901.....	14,306,295	2,648,586	91
1912.....	22,028,000	3,688,000	84	1900.....	14,231,150	2,162,918	76
1911.....	21,615,000	2,630,400	59	1899.....	11,884,576	1,674,817	70
1910.....	22,596,000	3,082,400	68	1898.....	14,602,892	2,512,104	86
1909.....	20,545,000	3,774,400	82	1897.....	13,683,487	2,122,968	78
1908.....	19,999,000	2,952,800	73				



TABLE 41.—COTTON ACREAGE AND PRODUCTION IN INDIA, BY PROVINCES:  
1915 TO 1919.

PROVINCE. (Includes native states within pro- vincial boundaries.)	Year.	Acreage planted in cotton.	Cotton produc- tion (500- pound bales).	PROVINCE. (Includes native states within pro- vincial boundaries.)	Year.	Acreage planted in cotton.	Cotton produc- tion (500- pound bales).
Total.....	1919	23,063,000	4,676,000	United Provinces..	1919	1,284,000	353,600
	1918	21,038,000	3,182,400		1918	862,000	139,200
	1917	25,188,000	3,200,000		1917	1,315,000	158,400
	1916	21,745,000	3,601,600		1916	1,185,000	247,200
	1915	17,746,000	2,990,400		1915	834,000	209,600
Bombay.....	1919	5,704,000	1,202,400	Central India.....	1919	1,587,000	232,800
	1918	5,547,000	512,800		1918	1,236,000	171,200
	1917	7,697,000	1,122,400		1917	1,454,000	92,800
	1916	6,330,000	1,180,000		1916	1,419,000	248,800
	1915	4,439,000	747,200		1915	999,000	172,800
Central Provinces and Berar.	1919	4,494,000	1,028,000	Baroda.....	1919	794,000	101,600
	1918	4,135,000	645,600		1918	814,000	64,800
	1917	4,582,000	472,800		1917	914,000	191,200
	1916	4,402,000	552,800		1916	707,000	136,800
	1915	4,061,000	884,800		1915	566,000	93,600
Hyderabad.....	1919	3,095,000	599,200	Rajputana.....	1919	374,000	76,000
	1918	2,406,000	514,400		1918	250,000	44,000
	1917	3,451,000	360,000		1917	435,000	43,200
	1916	3,200,000	400,000		1916	334,000	102,400
	1915	2,964,000	360,000		1915	244,000	49,600
Madras.....	1919	2,332,000	330,400	Sind.....	1919	313,000	66,400
	1918	3,175,000	469,600		1918	317,000	91,200
	1917	2,592,000	360,000		1917	267,000	42,400
	1916	2,168,000	277,600		1916	240,000	62,400
	1915	2,061,000	196,000		1915	161,000	38,400
Punjab.....	1919	2,251,000	538,400	All other provinces.	1919	835,000	147,200
	1918	1,550,000	394,400		1918	746,000	135,200
	1917	1,800,000	245,600		1917	681,000	111,200
	1916	1,163,000	268,000		1916	597,000	125,600
	1915	902,000	156,000		1915	515,000	82,400

The native Indian cotton has a short, coarse fiber, and can not be utilized in the manufacture of the finer counts of yarn. The demand for a better staple for use in some of the Indian mills, as well as for export, has resulted in the Indian Government giving the subject of improving the cotton serious consideration. The principal difficulties to be surmounted are the low yield per acre of these higher grade cottons, the fact that the grower realizes but little more for the better than for the poorer grades, and the mixing of the seed at the ginneries. The Government of India, together with the provincial and local governments, has established seed farms for the purpose of furnishing pure seed to the growers. This plan will ultimately result in materially improving the staple of Indian cotton, and will permit this cotton to enter European markets in competition with American cotton to a much greater extent than heretofore.

Climatic and soil conditions in the several cotton-growing districts in India vary perhaps more than in any other cotton-producing country. In some sections the rainfall is abundant, while in others irrigation is employed to some extent; still others depend entirely upon irrigation for moisture. The seasons also vary greatly; for example, in October the cotton crop is being harvested in the north of India, while in the south planting is in progress. As a result cotton is being picked somewhere in the country almost throughout the year.



*Egypt.*—The climate and soil of Egypt are unusually well adapted to the production of high-grade varieties of cotton, and the supply of moisture, coming as it does from a usually dependable system of irrigation, can be regulated to the best advantage. The season for gathering, too, is practically ideal, not being marked by storms or rains, and but little unavoidable damage to the matured crop occurs. The length, strength, and color of Egyptian cottons are characteristics of great value, while the uniformity of the fiber, due to the quality of growth, renders them, in manufacturing processes, subject to less waste than are many other kinds. Table 42 shows the cotton acreage, production, and average yield per acre in Egypt since 1895.

TABLE 42.—COTTON ACREAGE AND PRODUCTION IN EGYPT: 1895 TO 1919.

YEAR.	Acreage.	PRODUCTION.*		YEAR.	Acreage.	PRODUCTION.	
		Total (500-pound bales).	Average per acre (lbs.).			Total (500-pound bales).	Average per acre (lbs.).
1919.....	1,633,000	1,139,000	349	1906.....	1,564,000	1,377,000	440
1918.....	1,413,000	955,000	338	1905.....	1,626,000	1,181,000	363
1917.....	1,741,000	1,249,000	359	1904.....	1,491,000	1,251,000	420
1916.....	1,718,000	1,012,000	295	1903.....	1,383,000	1,289,000	466
1915.....	1,231,000	952,000	387	1902.....	1,324,000	1,157,000	437
1914.....	1,822,000	1,286,000	353	1901.....	1,297,000	1,262,000	487
1913.....	1,789,000	1,522,000	425	1900.....	1,277,000	1,077,000	422
1912.....	1,787,000	1,492,000	417	1899.....	1,197,000	1,290,000	539
1911.....	1,776,000	1,463,000	412	1898.....	1,164,000	1,107,000	476
1910.....	1,664,000	1,506,000	453	1897.....	1,172,000	1,296,000	553
1909.....	1,619,000	1,000,000	309	1896.....	1,091,000	1,165,000	534
1908.....	1,703,000	1,337,000	393	1895.....	1,015,000	1,041,000	513
1907.....	1,664,000	1,433,000	431				

*Russia.*—The production of cotton in Russia is confined almost exclusively to the Asiatic provinces in Turkestan and Transcaucasia. Some experiments have been made in the growing of cotton in the European provinces of Russia which border on the Black Sea, but the total amount produced there is very small.

The unsettled conditions existing in that country together with the shortage in the food supply resulted in a greatly reduced cotton acreage. The estimated production of cotton from the crop of 1919 is 420,000 bales of 500 pounds each, compared with 1,465,000 bales from the crop of 1915.

The soil and climate of Turkestan are well adapted to the cultivation of cotton. The summers are hot and long and the winters mild. As there is scarcely any rainfall during the growing season, irrigation is necessary. Any extension of the cotton-growing area depends almost entirely upon the construction and extension of irrigation works.

*China.*—Cotton is produced extensively in many sections of China, but no accurate data as to the total amount are available. A considerable quantity is consumed locally in the homes of the people, the total thus consumed being a matter of conjecture. Reliable data as to the quantities of Chinese cotton exported and used in the Chinese spinning mills are available. An estimate from a reliable source places the quantity of Chinese cotton from the crop of 1919 which will enter commercial channels at 1,100,000 bales of 500 pounds each.

*Brazil.*—The climate and soil of large areas in Brazil are well suited to the cultivation of cotton. Formerly considerable quantities were exported, but the increase in the mill industry now requires practically the entire production. While exact data as to the crop of 1919 are not available, it has been estimated at 536,000 bales.

*Mexico.*—Accurate statistics as to the production of cotton in Mexico from the crop of 1919 are not available. It is believed that the crop was about 200,000 bales. When the factories are operating under normal conditions they consume practically the entire production and draw also upon the United States for a part of their requirements.



*Peru.*—The production of cotton in Peru, while comparatively insignificant in quantity, is of importance because of the special characteristics of the fiber. The crop of 1919 is placed at 165,000 bales.

*Other countries.*—Cotton for mill consumption is also grown in a number of other countries, and consideration must be given these in presenting a summary of the world's production. The conditions of soil and climate in some of these countries are so suited to cotton production that the handicaps of insufficient experienced labor and of inadequate transportation facilities will be overcome, and thus will be added to the world's supply of cotton the production of large areas as yet undeveloped. However, because of local conditions many of them must ever remain of small importance from the standpoint of the quantity of cotton produced.

## WORLD'S COTTON CONSUMPTION.

The compilation of reliable statistics concerning the consumption of cotton was made well-nigh impossible because of the war in Europe, all of the world's largest cotton-manufacturing countries having been belligerents. In 1913 these countries operated more than 95 per cent of the world's active cotton spindles and consumed almost 95 per cent of all the cotton used. The situation is yet difficult so far as the obtaining of complete and satisfactory data is concerned.

During the past season a considerable increase in the number of spindles has been made in the United States; there were also some additions in the United Kingdom, India, Japan, China, and several of the less important cotton-spinning countries. No satisfactory information is available, however, as to the number of cotton spindles active during the past season in some of the important countries.

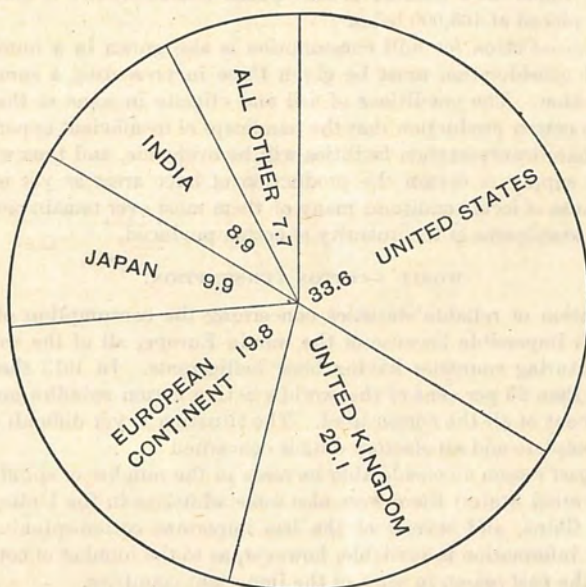
The information available as to the consumption of cotton during the season of 1919-20 for a number of countries is very unsatisfactory. In order, however, to afford some idea as to the quantity used, Table 43 has been prepared from such sources as were available. The figures for the United States were collected and compiled by this bureau. The amounts for United Kingdom, India, and Japan are based on the published data collected by the International Federation of Master Cotton Spinners' and Manufacturers' Associations, while that for Canada is as shown by the New York Commercial and Financial Chronicle in its annual review of the cotton movement. The total for the Continent was obtained by combining the following items: The takings of American cotton by the spinners on the Continent and the reduction of cotton other than American as to port stocks and cotton afloat to the Continent as shown in the weekly circular of the Liverpool Cotton Association; the production of cotton in the several European countries and in Asiatic Russia; the exports from the United Kingdom, Egypt, and India to the Continent; the estimated imports from countries other than the United States, United Kingdom, India, and Egypt; and deducting the increase in mill stocks as estimated by Mr. Ellison. The amount for all other countries is an estimate based on information contained in various publications and consular reports.

TABLE 43.—WORLD'S CONSUMPTION OF COTTON: SEASON OF 1919-20.

COUNTRY.	Mill consumption of cotton (bales of 500 pounds net weight).
Total.....	18,451,000
United States (exclusive of linters).....	6,200,000
Europe:	
United Kingdom.....	3,700,000
Continent.....	3,660,000
India.....	1,846,000
Japan.....	1,825,000
Canada.....	220,000
All other countries.....	1,200,000



DIAGRAM 5.—PROPORTION OF TOTAL CONSUMPTION, BY COUNTRIES, YEAR ENDING JULY 31, 1920.



WORLD'S COTTON SPINDLES.

The following table concerning the world's cotton spindleage has been compiled from a number of sources, among others being the International Federation of Master Cotton Spinners' and Manufacturers' Associations. The total spindleage as thus compiled is 154,605,000.

TABLE 44.—WORLD'S COTTON SPINDLES (ACTIVE AND IDLE): 1920.

COUNTRY.	Cotton spindles (number).	COUNTRY.	Cotton spindles (number).
Total.....	154,605,000	Europe—Continued:	
United States.....	35,835,000	Sweden.....	670,000
Europe:		Netherlands.....	600,000
United Kingdom.....	58,690,000	Portugal.....	480,000
France.....	9,400,000	Greece.....	125,000
Germany.....	9,400,000	Denmark.....	115,000
Russia.....	7,200,000	Norway.....	70,000
Italy.....	4,515,000	Other European.....	300,000
Czecho Slovakia.....	3,585,000	India.....	6,690,000
Spain.....	1,800,000	Japan.....	3,690,000
Belgium.....	1,570,000	China.....	1,600,000
Switzerland.....	1,535,000	Brazil.....	1,600,000
Poland.....	1,400,000	Canada.....	1,375,000
Austria.....	1,300,000	Mexico.....	760,000
		All other countries.....	300,000



## COTTONSEED AND COTTONSEED PRODUCTS.

The demand in recent years for cottonseed for use in manufacture is in striking contrast to former conditions relative to this commodity. Before the advent of the cottonseed-oil mill the disposition of the surplus of cottonseed was a trying problem, while now this former waste material provides many valuable commercial products and has sold in the open market at from \$80 to \$90 a ton. Beginning with the extraction of oil, as the prime object, the industry has developed and improved to such extent that the dirt which attaches itself to the seed in handling is about the only waste matter cast away in the various processes of manufacture. In the progress of the industry it was found advantageous to delint the seed more and more closely, at first for the better separation of the meats from the hulls and later, as the uses of linters multiplied and the demand for them became greater, for the commercial value of the linters themselves. The substitution of linters for short-fiber cotton in some lines of manufacture created a demand for information as to the extent of their production. The Bureau of the Census accordingly began the collection of such data and associated them with the statistics of cotton ginned.

The total production of linters for each crop since the inauguration of the seasonal reports of cotton ginned is shown in Table 3, and the production, by states, is given in Table 4 for the crops of 1916 to 1919, inclusive. Although the data relative to the production of linters have been collected in connection with the statistics of cotton ginned, information as to the quantity of cottonseed used by the oil mills in manufacture has been collected for only the last six years, except at the general censuses of manufactures.

The growing importance of the industry and the increasing interest attaching to it resulted in the act of Congress, approved August 7, 1916, which provides that the Bureau of the Census shall collect monthly reports from all of the oil mills concerning cottonseed received, crushed, and on hand, and cottonseed products manufactured, shipped out, and on hand; also that information be obtained from the refineries and consuming establishments and from brokers, warehousemen, and exporters concerning crude and refined cottonseed oil. In conformity with this legislation monthly reports concerning cottonseed and cottonseed products have been collected during the last four seasons. These reports, valuable from their initiation not only to the manufacturer of cottonseed products, but also to the producer of the raw material and the consumer of the finished product, will be of increasing usefulness to all classes as the accumulation of reports permits more extensive comparison and more accurate deduction. The closing of the year as of July 31, it is believed, represents the month's end, when the stocks held at the oil mills are lower than at any other similar date during the year.

### SUPPLY AND DISTRIBUTION OF COTTONSEED AND COTTONSEED PRODUCTS.

Table 45, on the following page, shows the several items making up the supply and distribution of cottonseed and cottonseed products for the 12-month periods ending July 31, 1917, to 1920, inclusive.

The total supply of cottonseed for the oil mills, as indicated by the stocks held August 1, 1919, and the receipts during the year, was 4,218,553 tons, which compares with 4,649,824 for 1919, 4,500,476 for 1918, and 4,715,017 for 1917. Of this total, 4,012,704 tons were crushed and 30,084 tons held at the end of the season. The high prices prevailing for cottonseed during this season made it more profitable for a few of the mills to sell the seed than to work them and considerable seed was reshipped to other mills. The supply of the several products is practically represented by the



production, as the quantities held at the beginning of the year are rather insignificant. The quantities received are in fact a duplication, being counted in production and shipments by the concerns from which received. The large receipt of hulls is due to some extent to their use in the manufacture of hull fiber in specially equipped plants.

TABLE 45.—SUPPLY AND DISTRIBUTION OF COTTONSEED AND COTTONSEED PRODUCTS FOR OIL MILLS FOR THE YEARS ENDING JULY 31, 1917, 1918, 1919, AND 1920.

	Year.	Cotton-seed (tons).	COTTONSEED PRODUCTS.			
			Oil (pounds).	Cake and meal (tons).	Hulls (tons).	Linters (500-pound bales).
SUPPLY.						
Total.....	1920	4,218,553	1,222,232,989	1,944,652	1,387,202	865,627
	1919	4,649,824	1,333,378,280	2,255,532	1,350,855	960,580
	1918	4,500,476	1,323,241,503	2,260,588	1,408,416	1,246,186
	1917	4,715,017	1,410,509,974	2,478,974	1,270,140	1,347,316
Held in mill at beginning of year...	1920	23,725	5,743,333	44,548	124,593	254,616
	1919	40,438	6,898,574	28,751	60,425	30,868
	1918	31,828	9,184,052	92,540	56,016	102,754
	1917	13,984	2,475,100	186,881	53,026	15,076
Received.....	1920	4,194,828	5,025,675	82,819	119,550	577
	1919	4,609,386	1,144,945	56,635	153,882	133
	1918	4,468,648	1,586,326	100,071	356,335	13,010
	1917	4,701,033	377,223	67,337	248,438	1,688
Produced.....	1920	.....	1,211,463,981	1,817,285	1,143,059	610,434
	1919	.....	1,325,334,761	2,170,146	1,136,548	929,549
	1918	.....	1,312,471,125	2,067,977	996,065	1,130,422
	1917	.....	1,407,657,651	2,224,756	968,676	1,330,552
DISTRIBUTION.						
Total.....	1920	4,218,553	1,222,232,989	1,944,652	1,387,202	865,627
	1919	4,649,824	1,333,378,280	2,255,532	1,350,855	960,580
	1918	4,500,476	1,323,241,503	2,260,588	1,408,416	1,246,186
	1917	4,715,017	1,410,509,974	2,478,974	1,270,140	1,347,316
Crushed or used for further manufacture.	1920	4,012,704	.....	28,574	63,527	.....
	1919	4,478,508	.....	30,108	121,267	.....
	1918	4,251,680	.....	36,002	304,005	.....
	1917	4,479,176	.....	53,830	206,948	.....
Shipped out (including reshipments)	1920	173,545	1,211,178,661	1,782,112	1,304,967	1,685,129
	1919	129,610	1,327,325,845	2,178,514	1,097,398	1,703,320
	1918	197,242	1,316,159,854	2,195,062	1,042,441	1,214,403
	1917	202,956	1,401,825,922	2,330,886	1,006,572	1,243,862
Held in mill at end of year.....	1920	30,084	11,040,625	133,475	18,304	1,176,316
	1919	23,725	5,743,333	44,548	124,593	1,254,616
	1918	40,438	6,898,574	28,751	60,425	30,868
	1917	31,828	9,181,052	92,540	56,016	102,754
Destroyed.....	1920	2,220	13,703	491	404	4,182
	1919	17,981	309,102	2,362	7,597	2,644
	1918	11,116	183,075	773	1,545	915
	1917	1,057	.....	1,718	604	700

<sup>1</sup> In addition, some linters held on oil-mill premises for the United States Government were not included in stocks held at the plant but were reported as "shipped out."

#### PERIODICAL REPORTS.

The following table shows the quantities of cottonseed received, crushed and on hand, and of cottonseed products manufactured, shipped out, and on hand from August 1 to the end of each month for the years ending July 31, 1918, 1919, and 1920. The quantities are, of course, cumulative, the totals from the beginning of the year being indicated.



TABLE 46.—COTTONSEED RECEIVED, CRUSHED, AND ON HAND, AND COTTONSEED PRODUCTS MANUFACTURED, SHIPPED OUT, AND ON HAND FOR OIL MILLS, BY PERIODS: AUGUST, 1917, TO JULY, 1920, INCLUSIVE.

PERIOD ENDING WITH MONTH OF—	Year.	COTTONSEED (TONS).			COTTONSEED PRODUCTS.											
		Aug. 1 to close of month.	On hand at close of month.	Oil (pounds).			Cake and meal (tons).			Hulls (tons).			Linters (500-pound bales).			
				Aug. 1 to close of month.	On hand at close of month.	Aug. 1 to close of month.		Aug. 1 to close of month.		Aug. 1 to close of month.		Aug. 1 to close of month.				
						Pro- duced.	Net shipped.	Pro- duced.	Net shipped.	Pro- duced.	Net shipped.	Pro- duced.	Net shipped.			
August.....	1919	27,354	20,058	5,722,038	8,053,737	3,411,634	9,664	28,755	25,391	5,222	48,234	80,437	3,150	23,312	234,454	
	1918	144,981	47,424	12,793,341	12,285,455	7,406,460	22,424	32,985	17,967	11,597	2,098	45,161	13,690	27,056	17,502	
	1917	75,679	38,721	13,885,213	11,374,267	6,673,106	19,101	53,835	57,728	8,477	11,707	27,885	11,122	24,169	89,707	
September.....	1919	461,521	254,107	75,934,337	51,867,012	29,810,658	116,641	99,891	60,734	67,805	91,942	97,483	39,543	49,811	243,827	
	1918	944,055	340,325	64,168	93,427,223	64,802,129	35,523,668	166,070	125,471	68,312	76,719	39,188	59,653	97,404	56,854	
	1917	581,223	256,349	356,702	74,998,665	59,454,362	24,728,355	123,220	122,894	92,296	59,797	43,160	39,257	65,431	48,775	
October.....	1919	1,558,943	973,786	608,559	297,707,139	226,041,372	77,408,335	444,693	352,620	135,463	264,682	215,933	165,324	152,629	108,640	
	1918	1,913,719	914,297	1,039,860	254,397,547	216,321,532	44,774,589	450,011	374,810	102,500	202,877	103,150	104,623	261,500	164,982	
	1917	1,608,534	829,773	869,863	248,510,322	200,983,336	56,706,038	400,007	329,216	161,886	190,901	119,499	78,510	204,550	124,640	
November.....	1919	2,476,015	1,716,646	782,751	520,891,678	422,066,090	104,568,156	781,555	626,668	197,217	470,044	365,041	213,245	268,064	182,131	
	1918	2,666,011	1,555,422	1,148,517	441,432,961	393,523,088	54,733,185	772,098	686,329	111,716	343,373	191,983	143,281	448,083	318,450	
	1917	2,672,553	1,529,733	1,171,208	459,402,455	374,740,155	93,712,005	735,258	630,785	194,057	352,610	243,633	100,724	379,088	267,783	
December.....	1919	2,972,431	2,357,788	636,148	712,356,127	598,044,874	120,043,868	1,070,888	878,114	233,757	654,324	520,160	231,010	368,328	273,269	
	1918	3,224,886	2,122,825	1,138,125	607,745,762	562,686,316	51,850,083	1,049,193	940,467	134,098	477,769	284,254	167,882	578,513	337,867	
	1917	3,196,159	2,121,305	1,097,605	636,392,359	519,483,121	125,958,943	1,014,300	918,104	184,368	485,010	341,438	116,180	535,154	101,993	
January.....	1920	3,439,480	2,983,507	477,478	900,233,191	760,336,900	145,628,906	1,355,218	1,127,715	265,670	823,038	701,602	210,930	461,243	399,443	
	1919	3,635,433	2,824,629	846,142	815,003,640	734,933,440	86,860,837	1,382,691	1,209,880	136,938	657,177	446,502	177,175	693,658	372,070	
	1918	3,563,125	2,710,910	874,866	816,952,530	677,974,484	148,027,751	1,300,333	1,230,897	155,085	621,747	449,757	124,535	695,693	534,459	
February.....	1920	3,720,231	3,387,016	354,120	1,021,793,481	894,522,780	132,000,331	1,638,828	1,286,919	285,050	937,330	885,108	161,281	522,367	485,840	
	1919	3,893,014	3,365,583	559,687	977,319,331	867,094,521	116,814,282	1,638,284	1,527,806	130,909	808,810	685,551	183,551	776,235	476,780	
	1918	3,812,912	3,201,511	634,052	971,086,319	837,785,525	142,350,499	1,641,004	1,505,539	114,022	737,230	534,231	125,719	827,517	689,418	
March.....	1920	3,898,376	3,704,009	215,872	1,118,862,288	1,015,527,535	109,064,383	1,681,644	1,438,922	268,716	1,034,683	1,004,459	107,523	569,654	554,130	
	1919	4,060,559	3,785,626	306,609	1,106,807,412	982,760,299	130,636,585	1,838,935	1,751,815	100,079	928,359	704,440	179,920	835,789	578,843	
	1918	4,030,726	3,645,001	408,376	1,109,704,831	1,015,347,805	103,406,731	1,755,763	1,734,910	89,404	839,520	606,684	127,277	950,249	824,564	
April.....	1920	3,960,643	3,877,814	104,334	1,169,199,130	1,085,892,991	89,035,769	1,759,200	1,529,260	249,013	1,091,726	1,080,373	75,759	592,320	587,197	
	1919	4,232,083	4,084,710	173,866	1,199,768,262	1,096,978,105	109,379,629	1,983,123	1,903,175	82,139	1,009,748	780,940	173,545	975,673	629,227	
	1918	4,136,713	3,955,329	203,846	1,210,810,770	1,142,741,763	77,069,934	1,913,981	1,891,041	82,684	911,847	643,377	132,495	1,036,401	942,091	
May.....	1920	3,988,142	3,662,670	47,077	1,195,987,823	1,141,381,763	60,335,690	1,794,877	1,594,838	216,741	1,123,859	1,123,854	62,675	602,862	620,609	
	1919	4,392,026	4,322,489	92,625	1,272,406,336	1,223,630,313	55,365,495	2,007,525	2,005,812	89,748	1,079,908	845,136	175,123	907,984	649,193	
	1918	4,205,550	4,134,701	92,171	1,271,404,166	1,235,912,842	44,492,301	2,067,784	1,986,172	79,161	960,071	669,013	124,567	1,090,215	1,064,672	
June.....	1920	4,014,024	3,999,485	36,044	1,207,064,373	1,181,856,365	30,937,638	1,811,694	1,651,257	176,169	1,132,202	1,164,393	34,782	606,461	644,363	
	1919	4,451,734	4,436,198	38,157	1,310,974,062	1,297,247,579	20,315,955	2,148,974	2,068,516	77,345	1,114,356	882,018	169,984	922,232	677,899	
	1918	4,244,827	4,210,054	55,485	1,297,745,516	1,284,688,589	22,057,904	2,045,600	2,053,980	48,384	980,847	672,843	106,942	1,114,526	1,152,659	
July.....	1920	4,021,283	4,012,704	30,084	1,211,463,981	1,206,152,986	11,040,625	2,187,285	1,699,293	133,475	1,143,050	1,185,417	18,304	610,434	684,552	
	1919	4,479,776	4,478,508	23,725	1,325,334,761	1,326,180,900	5,743,333	2,170,146	2,121,879	44,548	1,136,548	943,516	124,593	929,549	703,157	
	1918	4,271,406	4,251,680	40,438	1,312,471,125	1,314,573,528	6,598,574	2,067,977	2,094,991	28,751	996,065	683,506	60,425	1,130,422	1,201,393	

<sup>1</sup> There were 129,965 bales of linters held on oil-mill premises for the United States Government which were not included in stocks held at the plant but were reported as "shipped out." This information was obtained through a supplemental canvass. No data were obtained as to the quantities of such linters not included in stocks held at the close of previous months.



In addition to the products shown in Table 46 there were 149,767 equivalent 500-pound bales of hull fiber and 23,247 bales of motes, sweepings, etc., produced by the cottonseed-oil mills during the 12-month period ending July 31, 1920, compared with 178,137 and 31,909 bales, respectively, for 1919; 333,663 and 56,559 bales, respectively, for 1918, and 472,960 and 34,425 bales, respectively, for 1917. The hull fiber is obtained from the hulls by two methods. Some establishments secure this product by a reginning of the hulls, leaving the hulls still in condition to be sold as such. Other establishments pulverize the hulls, the fine particles being sifted from the fiber and used in the manufacture of feed. Hull fiber approaches the quality of

TABLE 47.—COTTONSEED RECEIVED, CRUSHED, AND ON HAND FOR COTTONSEED

		COTTONSEED RECEIVED AND CRUSHED FROM AUG. 1 TO SPECIFIED DATES, AND QUANTITIES ON HAND AT END OF PERIOD (TONS).				
		1919				
		Aug. 31.	Sept. 30.	Oct. 31.	Nov. 30.	Dec. 31.
1	United States:					
2	Received (gross).....	29,094	476,087	1,594,505	2,544,559	3,063,592
3	Crushed.....	20,058	254,107	973,766	1,716,646	2,357,788
	On hand.....	31,021	231,139	608,559	782,751	636,148
4	Alabama:					
5	Received.....	913	31,498	98,141	162,514	181,906
6	Crushed.....	178	17,659	65,792	111,023	143,677
	On hand.....	1,428	13,913	31,677	46,468	31,910
7	Arkansas:					
8	Received.....	207	13,375	85,422	149,576	190,057
9	Crushed.....	772	5,259	57,062	111,312	158,953
	On hand.....		8,652	28,417	37,453	29,731
10	Georgia:					
11	Received.....	9,890	147,561	382,310	544,164	608,064
12	Crushed.....	4,812	82,150	212,505	335,453	442,168
	On hand.....	8,241	64,091	161,702	196,972	150,584
13	Louisiana:					
14	Received.....	280	12,172	40,400	68,974	85,678
15	Crushed.....	472	7,405	33,242	54,864	73,614
	On hand.....		4,929	7,277	13,958	11,876
16	Mississippi:					
17	Received.....	2,205	39,004	148,711	233,890	273,930
18	Crushed.....	1,990	17,168	84,207	161,665	226,976
	On hand.....	2,251	22,799	63,009	68,769	43,418
19	North Carolina:					
20	Received.....	306	24,208	127,461	213,599	257,210
21	Crushed.....	541	10,757	61,547	119,484	176,538
	On hand.....	691	14,050	64,985	91,946	75,914
22	Oklahoma:					
23	Received.....	177	18,017	92,641	164,874	218,605
24	Crushed.....	312	4,835	49,152	104,995	154,926
	On hand.....		13,125	42,216	56,927	57,713
25	South Carolina:					
26	Received.....	2,854	54,114	158,912	241,864	279,485
27	Crushed.....	544	21,196	83,983	146,850	205,480
	On hand.....	4,544	32,117	70,551	84,051	59,829
28	Tennessee:					
29	Received.....	434	8,542	66,896	119,354	153,390
30	Crushed.....	1,529	4,779	46,861	90,825	132,338
	On hand.....		4,858	21,130	29,615	22,083
31	Texas:					
32	Received.....	11,476	120,260	356,752	582,327	727,740
33	Crushed.....	9,555	76,415	255,028	435,608	579,959
	On hand.....	10,560	49,446	102,954	137,529	130,946
34	All other States:					
35	Received.....	352	7,336	36,859	63,423	87,527
36	Crushed.....	2,438	6,484	24,387	44,567	63,159
	On hand.....	221	3,159	14,641	19,063	22,144



the lower grades of linters, and formerly was used almost exclusively in the manufacture of guncotton and smokeless powder.

*Movement of cottonseed, by states and by periods.*—Table 47 shows, by states, the gross receipts, crush, and stocks of cottonseed. This table gives a somewhat local color to the movement of cottonseed to the mills during the season, and in connection with the statement of average quantities of products per ton of seed treated, shown on page 90, will prove interesting and instructive to those desiring local information of the industry.

## OIL MILLS, BY STATES AND BY PERIODS: AUGUST, 1919, TO JULY, 1920, INCLUSIVE.

COTTONSEED RECEIVED AND CRUSHED FROM AUG. 1 TO SPECIFIED DATES, AND QUANTITIES ON HAND AT END OF PERIOD (TONS)—continued.							
1920							
Jan. 31.	Feb. 29.	Mar. 31.	Apr. 30.	May 30.	June 30.	July 31.	
3,554,689	3,855,892	4,048,141	4,121,226	4,155,778	4,184,320	4,194,828	1
2,983,507	3,387,616	3,704,009	3,877,814	3,962,570	3,999,485	4,012,704	2
477,478	354,120	215,872	104,334	47,077	36,044	30,084	3
208,658	221,134	224,985	227,309	228,986	229,402	229,798	4
180,306	203,022	209,678	213,986	217,169	217,682	217,990	5
19,950	7,964	4,658	1,983	366	239	319	6
219,734	242,245	253,157	257,161	258,368	259,207	259,468	7
202,308	228,034	242,372	249,664	251,764	252,629	252,675	8
14,662	10,287	5,734	1,794	756	555	770	9
693,057	726,702	737,184	743,487	746,213	748,340	749,589	10
557,094	634,633	687,071	706,380	713,229	715,335	716,513	11
114,113	66,289	24,217	10,445	6,147	5,692	5,537	12
93,485	96,686	97,695	98,456	99,529	100,206	100,338	13
87,293	91,738	94,945	96,403	97,283	97,304	97,858	14
6,004	4,724	2,520	1,745	1,937	2,319	1,897	15
307,211	327,170	339,201	347,768	354,517	359,335	360,956	16
280,815	306,319	324,549	334,219	341,796	346,838	349,046	17
21,221	13,796	6,179	4,416	3,420	2,841	1,957	18
305,031	323,530	337,538	342,205	345,158	345,214	345,460	19
238,353	280,592	307,216	326,967	335,895	337,937	338,010	20
61,599	37,614	24,844	9,650	3,114	1,052	938	21
262,635	294,837	320,435	328,099	330,205	342,288	342,357	22
209,633	243,188	277,295	301,752	313,558	326,700	326,702	23
45,368	40,562	30,722	13,227	2,303	1,130	1,180	24
333,114	358,829	370,108	374,803	377,416	379,345	380,533	25
272,423	310,545	338,239	347,284	351,213	351,804	351,929	26
43,779	29,871	12,436	7,347	5,262	6,383	7,018	27
180,679	203,528	218,141	221,941	223,385	225,433	228,731	28
163,685	188,834	210,753	215,020	217,520	221,064	226,335	29
17,928	15,536	7,960	7,221	6,058	4,556	2,175	30
844,526	945,066	1,028,218	1,057,567	1,064,691	1,067,753	1,069,635	31
708,439	805,536	906,849	972,720	1,004,389	1,012,722	1,016,067	32
112,918	110,679	86,284	44,069	16,021	9,826	6,901	33
106,559	116,165	121,479	122,430	127,310	127,797	127,963	34
83,158	95,175	105,042	113,419	118,754	119,470	119,579	35
19,936	16,798	10,318	2,437	1,693	1,451	1,392	36



In the following statement the establishments whose operations for the season of 1919-20 are covered by the preceding table are classified according to the quantity of seed crushed:

STATE.	NUMBER OF COTTONSEED-OIL MILLS.						
	Total.	Crushing—					
		Less than 1,000 tons.	1,000 but less than 2,000 tons.	2,000 but less than 5,000 tons.	5,000 but less than 10,000 tons.	10,000 but less than 20,000 tons.	20,000 tons and over.
United States.....	703	78	91	244	176	97	17
Alabama.....	44	6	8	15	9	5	1
Arkansas.....	35	.....	4	9	13	8	1
Georgia.....	114	10	18	45	17	19	5
Louisiana.....	22	5	2	8	4	3	.....
Mississippi.....	51	.....	.....	25	17	7	2
North Carolina.....	63	.....	10	35	8	8	2
Oklahoma.....	54	6	5	12	23	8	.....
South Carolina.....	79	22	11	21	16	7	2
Tennessee.....	20	0	0	1	9	9	1
Texas.....	204	27	33	67	55	19	3
All other states.....	17	2	.....	6	5	4	0

## YIELD OF PRODUCTS PER TON OF SEED WORKED.

The quantities of the several products obtained per ton of seed crushed in the different states vary considerably. In the western portion of the belt the yield of oil is very much lower than in the eastern section. The relation among the average quantities of the several products that can be obtained from a given quantity of cottonseed depends upon the variety and condition of the seed and the climatic conditions during the growing and harvesting seasons, as well as upon the efficiency of the mill. In this connection attention is called to the fact that there are a number of mills equipped with expeller or cold-process machinery for the expression of the oil. These mills, of course, do not obtain as much oil per ton of seed worked, while the cake and meal also includes the hulls.

The following table, computed from the actual quantities reported, shows, by states, the production of each of the more important products per ton of seed worked for the last three seasons. The average weight of the products obtained per ton of seed crushed for the United States, as a whole, for the last season was 1,854 pounds, showing a loss in working of 146 pounds.

TABLE 48.—QUANTITIES OF THE SEVERAL PRODUCTS OBTAINED PER TON OF SEED CRUSHED, BY STATES, FOR THE YEARS ENDING JULY 31, 1918, 1919, AND 1920.

STATE.	PRODUCTS OBTAINED (POUNDS).														
	Total.			Crude oil.			Cake and meal.			Hulls.			Linters.		
	1920	1919	1918	1920	1919	1918	1920	1919	1918	1920	1919	1918	1920	1919	1918
United States....	1,854	1,877	1,881	302	296	309	906	969	972	570	508	467	76	104	133
Alabama.....	1,874	1,882	1,865	312	300	313	924	972	933	559	507	478	79	103	141
Arkansas.....	1,826	1,859	1,878	279	289	320	897	947	976	574	523	443	76	100	139
Georgia.....	1,877	1,886	1,874	330	310	320	895	947	958	575	532	469	77	97	127
Louisiana.....	1,849	1,857	1,854	297	295	311	942	1,024	1,043	529	438	370	81	100	130
Mississippi.....	1,853	1,884	1,892	304	305	330	944	1,003	1,007	526	473	412	79	103	143
North Carolina.....	1,864	1,870	1,845	324	319	312	918	958	943	554	502	473	68	91	117
Oklahoma.....	1,812	1,867	1,883	280	267	289	910	982	997	552	503	459	70	115	138
South Carolina.....	1,891	1,860	1,853	327	312	319	917	959	954	567	495	455	80	94	125
Tennessee.....	1,813	1,855	1,910	281	292	326	889	957	930	569	509	502	74	97	152
Texas.....	1,844	1,885	1,896	282	272	285	883	974	971	603	516	508	76	123	132
All other states....	1,872	1,917	1,920	300	298	308	954	983	1,011	533	541	463	85	95	138



## REFINING AND MOVEMENT OF COTTONSEED OIL.

Table 49 presents data for refineries and consuming establishments, showing crude oil used in refining and otherwise, and refined oil produced from August 1 to the close of each calendar month; also the quantities of crude and refined oil on hand and in transit to the plants at the close of each month. Table 50 shows the quantities of crude and refined oil held at cottonseed-oil mills, at refineries and in consuming establishments, in transit, and in storage at the close of each month. These tables permit a close study of the movement of cottonseed oil.

TABLE 49.—CRUDE COTTONSEED OIL CONSUMED, ON HAND, AND IN TRANSIT, AND REFINED OIL PRODUCED, ON HAND, AND IN TRANSIT FOR REFINERIES AND CONSUMING ESTABLISHMENTS, BY PERIODS: AUGUST, 1917, TO JULY, 1920, INCLUSIVE.

PERIOD END- ING WITH MONTH OF—	Year.	COTTONSEED OIL (POUNDS).						
		Crude.				Refined.		
		Aug. 1 to close of month.		On hand at close of month.		On hand at close of month.		
		Used in re- fining.	Con- sumed without being refined.	At plant.	In transit to plant.	Produced, Aug. 1 to close of month.	At plant.	In transit to plant.
August .....	1919	25,733,867	525,583	2,985,651	1,233,940	20,273,059	100,931,590	4,729,302
	1918	15,703,796	78,571	2,252,329	1,307,440	13,737,782	173,532,708	12,278,898
	1917	15,227,802	13,966	4,082,053	2,278,665	13,785,513	185,168,108	5,745,224
September..	1919	44,677,484	526,241	2,179,778	11,431,570	37,335,206	81,730,567	3,437,484
	1918	45,132,372	144,240	2,469,931	17,266,470	40,477,183	105,296,893	12,641,873
	1917	43,288,740	327,054	3,184,635	13,846,355	39,000,761	95,934,141	7,556,711
October.....	1919	181,171,251	649,019	6,397,254	31,342,862	161,515,985	88,979,156	13,959,984
	1918	173,540,529	221,621	5,968,953	38,199,976	157,951,871	86,458,065	16,789,187
	1917	159,504,678	649,541	4,877,967	31,947,455	140,618,255	76,667,213	8,283,875
November..	1919	351,783,426	649,929	8,596,893	36,020,507	315,715,056	115,699,322	12,058,035
	1918	329,827,355	844,951	7,466,248	35,936,311	301,644,461	114,873,866	15,041,686
	1917	313,782,626	930,404	6,789,660	38,816,390	288,999,505	105,455,631	8,293,927
December...	1919	512,008,081	651,164	10,077,011	47,205,920	459,092,579	177,691,909	14,199,558
	1918	492,192,153	845,251	8,662,819	43,367,369	450,463,628	171,665,958	11,619,138
	1917	456,020,272	1,280,314	7,134,132	38,275,805	420,117,259	136,455,978	8,854,994
January.....	1920	680,139,477	659,652	10,857,910	36,268,140	602,274,758	229,178,540	14,353,282
	1919	663,346,848	962,595	8,528,503	42,029,747	605,223,232	217,181,924	8,023,401
	1918	612,880,305	1,795,301	7,828,206	39,169,430	564,269,761	186,445,530	12,857,340
February...	1920	808,817,638	660,852	9,611,430	38,718,493	713,227,758	272,928,255	11,975,995
	1919	805,120,054	1,286,059	9,604,865	38,070,040	733,962,565	270,624,847	8,120,350
	1918	758,345,996	1,921,676	10,742,062	46,329,978	699,140,207	222,854,039	10,318,668
March .....	1920	933,709,424	911,492	7,862,285	26,750,882	815,759,884	321,355,212	10,680,510
	1919	914,722,805	1,425,478	7,669,028	27,765,283	830,895,057	323,437,965	11,659,258
	1918	937,806,219	2,066,739	6,639,603	42,693,890	865,308,606	272,509,449	12,021,130
April .....	1920	1,021,620,496	944,255	5,216,523	16,072,196	932,795,248	332,756,664	14,555,717
	1919	1,040,402,167	1,554,249	10,130,392	31,125,261	942,800,640	243,098,416	10,429,985
	1918	1,090,452,924	2,215,708	4,672,294	38,197,163	1,006,684,714	321,966,018	10,446,045
May.....	1920	1,080,808,006	959,047	3,960,299	15,212,520	932,795,248	319,329,679	15,212,520
	1919	1,154,322,684	1,555,631	16,200,395	25,094,525	1,043,399,635	190,144,191	12,810,778
	1918	1,188,028,228	2,229,909	5,600,601	22,991,227	1,093,604,918	329,265,365	7,784,002
June.....	1920	1,127,401,746	1,021,206	3,603,229	10,387,565	967,466,331	304,401,492	11,789,771
	1919	1,236,732,785	1,556,858	19,772,554	15,758,725	1,114,400,703	174,568,783	8,454,790
	1918	1,249,387,251	2,287,554	2,930,152	18,882,131	1,151,343,638	298,825,364	12,022,401
July.....	1920	1,156,281,337	1,027,409	6,325,452	5,252,880	992,907,865	282,754,397	7,203,074
	1919	1,296,507,185	1,588,520	12,542,914	7,209,250	1,161,171,736	136,304,476	7,614,431
	1918	1,289,958,756	2,344,773	3,122,835	6,433,196	1,188,213,854	240,823,219	14,230,077



TABLE 50.—STOCKS OF CRUDE AND REFINED COTTONSEED OIL HELD AT END OF CALENDAR MONTHS, AUGUST, 1917, TO JULY, 1920, INCLUSIVE.

DATE.	Year.	COTTONSEED OIL (POUNDS).								
		Crude.					Refined.			
		Total.	At cottonseed-oil mills.	At refineries and consuming establishments.	In transit to refineries and consuming establishments.	In storage.	Total.	At refineries and consuming establishments.	In transit to refineries and consuming establishments.	In storage and at agencies.
Aug. 31.....	1919	7,631,225	3,411,634	2,985,651	1,233,940	.....	109,128,947	100,931,590	4,720,302	3,468,055
	1918	11,015,279	7,406,460	2,252,329	1,307,440	49,050	194,540,068	173,532,708	12,278,898	8,728,462
	1917	13,033,824	6,673,106	4,082,053	2,278,665	.....	201,022,207	185,168,108	5,745,224	10,108,875
Sept. 30.....	1919	43,422,006	29,810,658	2,179,778	11,431,570	.....	89,940,507	81,730,567	3,437,484	4,772,456
	1918	55,285,533	35,523,668	2,469,931	17,266,470	25,464	124,116,424	105,296,893	12,641,873	6,177,658
	1917	41,769,345	24,728,355	3,194,635	13,846,355	.....	114,797,296	95,934,141	7,556,711	11,306,444
Oct. 31.....	1919	115,149,951	77,408,335	6,397,254	31,342,862	1,500	108,484,267	88,979,156	13,959,984	5,545,127
	1918	89,177,770	44,974,589	5,968,953	38,199,976	34,252	109,062,598	86,458,065	16,789,187	5,815,346
	1917	96,201,480	56,706,038	4,877,967	31,947,455	2,670,000	97,774,104	76,667,213	8,283,875	12,823,016
Nov. 30.....	1919	149,185,556	104,568,156	8,596,893	36,020,507	.....	136,429,256	115,699,322	12,058,035	8,671,899
	1918	98,153,166	54,733,185	7,466,248	35,936,311	17,422	137,122,230	114,873,866	15,041,686	7,206,678
	1917	141,875,055	93,712,005	6,789,660	38,816,390	2,557,000	127,131,931	105,435,631	8,293,927	13,402,373
Dec. 31.....	1919	177,333,924	120,043,868	10,077,011	47,205,920	7,125	201,938,084	177,691,909	14,199,558	10,046,617
	1918	103,914,523	51,850,083	8,662,819	43,367,369	34,252	189,766,790	171,665,958	11,619,138	6,481,094
	1917	171,390,870	125,958,943	7,134,132	38,275,805	21,990	159,842,964	136,455,978	8,854,994	14,531,992
Jan. 31.....	1920	192,754,956	145,628,906	10,857,910	36,268,140	.....	255,579,079	229,178,540	14,353,382	12,047,157
	1919	137,453,339	86,860,837	8,528,503	42,029,747	34,252	232,926,985	217,181,924	8,023,401	7,721,660
	1918	195,025,387	148,027,751	7,828,206	39,169,430	.....	208,015,204	186,445,530	12,857,340	8,712,334
Feb. 29.....	1920	181,330,254	133,000,331	9,611,430	38,718,493	.....	297,499,509	272,928,255	11,975,995	12,595,259
	1919	164,517,778	116,814,282	9,604,865	38,070,040	28,591	285,310,899	270,624,847	8,120,350	6,565,702
	1918	199,512,400	142,350,499	10,742,062	46,329,978	89,861	241,714,401	222,854,039	10,318,668	8,541,694
Mar. 31.....	1920	143,677,550	109,064,383	7,862,285	26,750,882	.....	350,098,145	321,355,212	10,680,510	18,062,423
	1919	166,093,276	130,636,585	7,669,028	27,765,283	22,380	301,087,328	283,437,965	11,659,258	5,990,105
	1918	152,826,432	103,406,731	6,639,603	42,693,890	86,208	293,243,519	272,509,449	12,021,130	8,712,940
Apr. 30.....	1920	110,324,488	89,035,769	5,216,523	16,072,196	.....	364,094,559	332,756,664	14,555,717	16,782,178
	1919	150,771,842	109,379,629	10,130,392	31,125,261	136,560	260,102,735	243,098,416	10,429,985	6,574,834
	1918	120,017,997	77,069,934	4,672,294	38,197,163	78,606	341,818,803	321,966,018	10,446,045	9,406,740
May 31.....	1920	79,517,509	60,335,690	3,969,299	15,212,520	.....	345,536,710	319,329,679	15,212,520	10,994,511
	1919	96,674,235	55,365,495	16,200,395	25,094,525	13,820	211,779,299	190,144,191	12,810,778	8,824,330
	1918	73,149,235	44,492,301	5,600,601	22,991,227	65,106	347,892,269	329,265,365	7,784,002	10,842,902
June 30.....	1920	44,928,432	30,937,638	3,603,229	10,387,565	.....	328,713,203	304,401,492	11,780,771	12,830,940
	1919	56,001,359	20,315,955	19,772,554	15,758,725	154,125	188,738,513	174,568,783	8,454,790	5,714,940
	1918	43,935,203	22,057,904	2,930,152	18,882,131	65,106	320,105,840	298,825,364	12,022,401	9,258,075
July 31.....	1920	22,618,957	11,040,625	6,325,452	5,252,880	1,400	297,741,580	282,754,397	7,203,074	7,784,109
	1919	25,495,597	5,743,333	12,542,914	7,209,350	.....	148,488,608	136,304,476	7,614,431	4,669,701
	1918	16,503,655	6,898,574	3,122,835	6,433,196	49,050	265,875,255	240,823,219	14,230,077	10,821,959



TABLE 51.—NUMBER OF COTTONSEED-OIL MILLS, QUANTITY OF SEED CRUSHED, AND QUANTITY OF LINTERS OBTAINED, BY STATES: CROPS OF 1912 TO 1919.

ITEM AND CROP YEAR.	United States.	Alabama.	Arkansas.	Florida.	Georgia.	Louisiana.	Mississippi.	Missouri.	North Carolina.	Oklahoma.	South Carolina.	Tennessee.	Texas.	All other states.
Active cottonseed-oil mills, 1919, number	703	44	35	(1)	114	22	51	(1)	63	54	79	20	204	*17
Cottonseed, crushed, tons:														
1919	4,012,704	217,990	252,675	(1)	716,513	97,858	349,046	(1)	338,010	326,702	351,929	226,335	1,016,067	119,579
1918	4,478,508	248,988	294,243	(1)	841,238	195,321	471,198	(1)	388,585	221,203	420,808	291,840	954,688	150,396
1917	4,251,680	180,118	299,524	(1)	764,457	200,712	426,432	(1)	262,330	304,046	338,443	234,856	1,121,339	118,523
1916	4,479,176	197,589	368,301	(1)	766,684	174,101	387,670	(1)	264,099	306,839	261,101	290,948	1,349,516	112,328
1915	4,202,313	328,115	268,687	(1)	791,492	138,262	376,036	24,540	297,633	229,419	327,662	226,440	1,123,382	70,645
1914	5,779,665	502,374	314,308	33,150	1,053,927	175,924	527,905	32,226	387,765	410,733	460,757	277,930	1,514,505	88,161
1913	4,767,802	428,447	305,042	23,650	861,177	153,526	502,326	27,994	317,955	249,721	411,292	259,556	1,166,369	60,747
1912	4,579,598	347,224	249,360	19,069	630,836	151,742	393,635	22,419	309,800	337,617	340,555	164,703	1,570,966	41,582
Linters obtained:														
Running bales—														
1919	595,093	33,830	36,661	(1)	110,964	15,078	53,570	(1)	45,850	44,824	56,729	31,407	147,399	18,781
1918	910,236	51,938	56,436	(1)	163,248	37,336	93,452	(1)	68,895	49,014	82,040	53,409	225,884	28,584
1917	1,096,422	51,712	80,789	(1)	189,169	50,495	114,891	(1)	59,710	78,591	85,236	66,543	287,617	31,669
1916	1,300,163	68,028	110,110	(1)	222,819	54,910	122,260	(1)	64,315	90,804	72,732	88,509	371,642	33,944
1915	944,640	79,220	58,277	(1)	182,683	31,734	87,436	5,370	57,599	54,283	70,923	57,834	243,401	15,790
1914	832,401	69,924	46,242	3,069	141,478	24,689	78,781	4,062	45,497	68,929	58,416	41,601	238,395	11,327
1913	631,153	53,860	40,671	2,621	110,629	21,823	60,766	3,399	34,998	38,536	46,580	34,671	176,202	6,397
1912	602,324	38,839	34,084	1,415	76,185	17,927	45,228	2,433	28,729	52,016	35,617	22,202	243,314	4,345
Equivalent 500-pound bales—														
1919	607,969	34,475	38,298	(1)	110,214	15,659	55,209	(1)	45,674	45,986	56,411	33,759	152,679	19,623
1918	929,516	51,412	58,596	(1)	164,670	39,095	97,267	(1)	69,528	50,684	79,422	55,481	234,458	28,903
1917	1,125,719	59,177	83,051	(1)	190,964	51,853	122,018	(1)	60,936	81,123	84,995	71,650	296,981	31,971
1916	1,330,714	68,250	111,813	(1)	227,757	55,264	124,678	(1)	65,534	95,327	74,279	93,929	380,355	33,528
1915	931,141	76,879	58,030	(1)	178,249	31,609	88,331	5,261	54,131	67,785	57,963	241,675	16,051	16,051
1914	856,900	71,182	48,165	3,249	139,885	25,851	83,730	4,401	44,784	74,781	57,243	43,904	245,027	11,698
1913	638,881	53,960	42,049	2,409	108,799	22,368	64,658	3,538	33,321	40,867	45,016	35,739	179,525	6,632
1912	609,594	39,161	35,106	1,283	74,909	18,398	47,881	2,529	26,929	54,857	34,131	23,247	246,638	4,525
Average per ton of seed crushed (pounds)—														
1919	76	79	76	(1)	77	80	79	(1)	68	70	80	75	75	82
1918	104	103	100	(1)	97	106	103	(1)	91	115	94	97	123	95
1917	132	139	139	(1)	125	129	143	(1)	116	133	126	153	132	135
1916	149	172	151	(1)	149	158	161	(1)	124	155	142	161	141	149
1915	106	112	103	(1)	108	109	112	102	88	113	99	122	103	109
1914	74	71	77	49	66	73	79	68	58	91	62	79	82	66
1913	67	63	69	51	63	73	64	63	52	82	55	69	77	55
1912	67	56	70	34	59	61	61	56	43	81	50	71	78	54

\* Included in "All other states."

\* Includes Arizona, 4; California, 5; Florida, 3; Illinois, 2; Kentucky, 1; Missouri, 2.



Table 51 shows, by states, the number of active cottonseed-oil mills for the season of 1919-20, together with the quantities of cottonseed crushed and of linters obtained for each crop from 1912 to 1919, inclusive. The linters obtained are given both in running bales and in equivalent 500-pound bales, while the table also shows the number of pounds of linters obtained per ton of seed crushed.

The quantity of seed crushed necessarily depends largely on the size of the cotton crop. There has, however, been an increased percentage of seed used in the mills in recent years because of extraordinary prices obtained for the products manufactured, the proportion for 1919 being 79.1 per cent of the estimated production.

## IMPORTS AND EXPORTS.

Table 52 presents statistics showing the quantities of cottonseed oil imported and cottonseed products exported to the close of each month from the beginning of August, 1919, to the end of July, 1920.

TABLE 52.—IMPORTS OF COTTONSEED OIL AND EXPORTS OF COTTONSEED OIL, CAKE, MEAL, AND LINTERS FROM AUGUST, 1919, TO JULY, 1920, INCLUSIVE.

MONTH.	AUG. 1 TO CLOSE OF MONTH.				
	Imports.	Exports.			
	Oil (pounds).	Oil (pounds).	Cake (tons).	Meal (tons).	Linters (running bales).
August.....	1,743,173	9,220,628	12,603	14,606	5,186
September.....	6,258,727	14,717,788	15,871	24,002	8,869
October.....	8,432,477	26,463,942	24,154	31,384	9,689
November.....	10,773,674	36,518,869	65,238	42,406	12,808
December.....	13,539,702	44,806,789	99,864	47,291	15,899
January.....	15,308,228	64,336,395	125,944	48,128	23,260
February.....	15,801,398	84,654,649	161,468	48,708	29,507
March.....	17,257,391	106,676,389	161,468	48,957	33,978
April.....	18,555,261	126,151,025	161,589	49,052	40,136
May.....	19,561,188	137,806,297	161,589	49,149	45,686
June.....	22,350,747	149,078,464	161,589	49,211	49,546
July.....	22,789,372	152,759,796	161,591	49,561	53,021

## COMPARATIVE DATA FOR THE INDUSTRY.

The remarkable development of the cottonseed-products industry in the United States is indicated in Table 53, which shows the estimated quantity of cottonseed produced, the quantity utilized for manufacturing purposes, and the estimated quantities and values of crude products manufactured, together with statistics regarding the exports of cottonseed and its products for a series of years.







TABLE 53.—ESTIMATED QUANTITY OF COTTONSEED PRODUCED, QUANTITY OF COTTONSEED CRUSHED, ESTIMATED QUANTITIES AND VALUES OF CRUDE PRODUCTS OBTAINED, AND EXPORTS OF COTTONSEED PRODUCTS: 1874 TO 1919.

In the preparation of this table a number of sources of information have been utilized, but it has been found impracticable to secure in all instances satisfactory data for the years indicated, and only an approximation to the facts is claimed. Statistics of the quantity of seed produced relate to the growth year and the quantity crushed and of cottonseed products to the year beginning Aug. 1, while the statistics of exports are for the year ending June 30, following.]

YEAR.	COTTONSEED—		CRUDE COTTONSEED PRODUCTS.								EXPORTS.			
	Produced (tons).	Crushed (tons).	Total value.	Oil.		Cake and meal.		Hulls.		Linters.		Cotton- seed (tons).	Cottonseed prod- ucts.	
				Quantity (gallons).	Value.	Quantity (tons).	Value.	Quantity (tons).	Value.	Quantity (bales of 500 pounds net).	Value.		Oil (gallons).	Cake and meal (tons).
1919.....	5,074,000	4,012,704	\$352,138,000	161,529,000	\$209,668,000	1,817,000	\$119,039,000	1,143,000	\$11,095,000	584,146	\$12,336,000	1,753	21,253,269	224,786
Alabama.....	316,000	217,990	20,464,000	9,074,000	12,304,000	101,000	6,709,000	61,000	764,000	32,972	687,000	.....	.....	.....
Arkansas.....	393,000	252,675	20,156,000	9,388,000	11,195,000	113,000	7,559,000	72,000	645,000	36,766	757,000	.....	.....	.....
Georgia.....	736,000	716,513	69,150,000	31,516,000	43,351,000	320,000	21,165,000	206,000	2,388,000	105,413	2,246,000	.....	.....	.....
Louisiana.....	132,000	97,858	8,215,000	3,880,000	4,710,000	46,000	2,944,000	26,000	232,000	15,229	329,000	.....	.....	.....
Mississippi.....	427,000	349,046	30,142,000	14,143,000	17,481,000	165,000	10,416,000	92,000	961,000	53,059	1,284,000	.....	.....	.....
North Carolina.....	368,000	338,010	33,009,000	14,586,000	20,282,000	155,000	10,496,000	94,000	1,110,000	43,619	1,123,000	.....	.....	.....
Oklahoma.....	452,000	326,702	27,138,000	12,189,000	15,715,000	149,000	9,945,000	90,000	615,000	44,024	863,000	.....	.....	.....
South Carolina.....	633,000	351,929	33,276,000	15,333,000	20,366,000	161,000	10,563,000	100,000	1,126,000	53,838	1,219,000	.....	.....	.....
Tennessee.....	138,000	226,335	18,803,000	8,471,000	11,004,000	101,000	6,570,000	64,000	596,000	32,038	633,000	.....	.....	.....
Texas.....	1,379,000	1,016,067	81,100,000	38,168,000	47,004,000	449,000	29,006,000	306,000	2,333,000	147,822	2,757,000	.....	.....	.....
All other states.....	100,000	119,579	10,685,000	4,781,000	6,256,000	57,000	3,666,000	32,000	325,000	19,366	438,000	.....	.....	.....
1918.....	5,360,000	4,478,508	383,580,000	176,711,000	227,316,000	2,170,000	116,119,000	1,137,000	17,917,000	889,500	22,228,000	802	23,827,978	155,813
1917.....	5,040,000	4,251,680	360,736,000	174,996,000	217,902,000	2,068,000	97,352,000	996,000	18,878,000	1,080,802	26,604,000	783	13,437,331	22,340
1916.....	5,113,000	4,479,176	287,192,000	187,688,000	153,419,000	2,225,000	74,586,000	969,000	13,994,000	1,273,345	45,193,000	501	21,198,086	575,080
1915.....	4,992,000	4,202,313	180,260,000	167,110,000	87,940,000	1,923,000	53,860,000	1,220,000	12,340,000	889,577	26,120,000	1,238	35,534,941	528,611
1914.....	7,186,000	5,779,665	152,880,000	229,260,000	80,540,000	2,648,000	57,740,000	1,677,000	8,450,000	820,274	6,150,000	3,157	42,448,870	739,533
1913.....	6,305,000	4,847,628	159,670,000	193,330,000	81,020,000	2,220,000	59,810,000	1,400,000	11,210,000	660,087	7,630,000	8,171	25,728,411	399,987
1912.....	6,104,000	4,579,508	132,230,000	185,750,000	69,100,000	1,999,000	45,970,000	1,540,000	9,710,000	583,091	7,450,000	12,024	42,031,052	564,046



1911	6,997,000	4,921,073	131,340,000	201,650,000	66,580,000	2,151,000	49,720,000	1,642,000	9,890,000	533,099	5,150,000	32,030	53,262,796	646,845
1910	5,175,000	4,106,000	142,710,000	167,970,000	80,430,000	1,792,000	44,660,000	1,375,000	11,370,000	379,576	6,250,000	6,612	30,069,459	402,298
1909 <sup>1</sup>	4,462,000	3,269,000	105,720,000	131,000,000	55,230,000	1,326,000	35,910,000	1,189,000	9,810,000	296,640	4,770,000	12,466	29,860,667	320,044
1908	5,904,000	3,670,000	86,090,000	146,790,000	44,090,000	1,492,000	33,580,000	1,330,000	6,080,000	330,277	2,340,000	25,813	51,087,329	875,164
1907	4,952,000	2,565,000	65,980,000	103,050,000	33,390,000	1,043,000	23,300,000	927,000	6,370,000	256,487	2,920,000	14,239	41,019,991	466,446
1906	5,913,000	3,844,000	94,380,000	153,760,000	43,050,000	1,563,000	39,140,000	1,393,000	8,840,000	307,518	3,350,000	8,814	41,880,304	670,484
1905	5,060,000	3,131,000	64,950,000	125,700,000	26,400,000	1,272,000	29,250,000	1,135,000	5,110,000	219,397	4,190,000	11,859	43,793,519	555,417
1904	6,427,000	3,345,000	69,310,000	133,820,000	31,340,000	1,360,000	27,770,000	1,213,000	5,590,000	235,586	4,610,000	10,551	51,535,580	625,954
1903	4,716,000	3,241,000	73,930,000	121,880,000	39,000,000	1,156,000	24,840,000	1,528,000	5,710,000	194,486	4,380,000	6,430	29,013,743	410,175
1902	5,092,000	3,269,000	71,290,000	122,910,000	40,560,000	1,165,000	23,310,000	1,541,000	5,390,000	150,366	2,030,000	25,811	35,642,994	550,196
1901	4,630,000	3,154,000	62,980,000	118,610,000	33,210,000	1,125,000	21,630,000	1,487,000	6,320,000	145,103	1,520,000	28,202	33,042,848	525,233
1900	4,830,000	2,415,000	48,230,000	96,610,000	26,080,000	845,000	16,270,000	1,139,000	3,990,000	111,096	1,890,000	21,665	49,356,741	629,344
1899	4,668,000	2,479,000	42,410,000	93,330,000	21,390,000	884,000	16,030,000	1,169,000	3,190,000	114,544	1,800,000	24,928	46,902,390	571,852
1898	5,472,000	2,353,000	27,960,000	94,110,000	13,180,000	823,000	14,780,000	.....	.....	.....	.....	17,222	50,627,219	539,997
1897	5,253,000	2,101,000	26,680,000	84,040,000	12,610,000	735,000	14,070,000	.....	.....	.....	.....	16,382	40,230,784	459,864
1896	4,070,000	1,628,000	26,260,000	65,120,000	11,720,000	570,000	14,540,000	.....	.....	.....	.....	13,283	27,198,882	311,693
1895	3,416,000	1,435,000	20,180,000	57,390,000	11,480,000	502,000	8,700,000	.....	.....	.....	.....	13,490	19,445,848	202,469
1894	4,792,000	1,677,000	24,870,000	67,090,000	13,420,000	587,000	11,450,000	.....	.....	.....	.....	5,526	21,187,728	244,858
1893	3,579,000	1,431,000	28,500,000	57,260,000	16,600,000	501,000	11,900,000	.....	.....	.....	.....	2,710	14,968,309	.....
1892	3,183,000	1,050,000	18,630,000	42,010,000	10,080,000	368,000	8,550,000	.....	.....	.....	.....	2,260	9,462,074	.....
1891	4,274,000	1,068,000	20,520,000	42,740,000	11,540,000	374,000	8,980,000	.....	.....	.....	.....	6,075	13,859,278	.....
1890	4,093,000	1,023,000	19,790,000	40,930,000	11,460,000	358,000	8,330,000	.....	.....	.....	.....	5,054	11,003,160	.....
1889	3,495,000	874,000	16,400,000	34,950,000	10,130,000	306,000	6,270,000	.....	.....	.....	.....	3,830	13,384,385	.....
1888	3,310,000	794,000	20,370,000	31,770,000	13,980,000	278,000	6,390,000	.....	.....	.....	.....	5,687	2,690,700	.....
1887	3,291,000	823,000	17,130,000	32,910,000	11,520,000	288,000	5,610,000	.....	.....	.....	.....	3,109	4,458,597	.....
1886	3,018,000	694,000	12,820,000	27,770,000	8,050,000	243,000	4,770,000	.....	.....	.....	.....	5,616	4,067,138	.....
1885	3,045,000	578,000	10,970,000	23,140,000	6,710,000	202,000	4,260,000	.....	.....	.....	.....	5,897	6,240,139	.....
1884	2,625,000	499,000	10,470,000	19,950,000	6,980,000	174,000	3,490,000	.....	.....	.....	.....	5,523	6,364,729	.....
1883	2,639,000	396,000	9,850,000	15,840,000	6,020,000	138,000	3,830,000	.....	.....	.....	.....	2,837	3,605,946	.....
1882	3,266,000	392,000	10,640,000	15,680,000	7,060,000	137,000	3,580,000	.....	.....	.....	.....	5,900	415,611	.....
1881	2,455,000	295,000	8,380,000	11,780,000	5,420,000	103,000	2,960,000	.....	.....	.....	.....	5,951	713,549	.....
1880	3,039,000	182,000	4,610,000	7,290,000	2,770,000	64,000	1,840,000	.....	.....	.....	.....	5,814	3,444,084	.....
1879	2,616,000	235,000	5,640,000	9,420,000	3,670,000	82,000	1,970,000	.....	.....	.....	.....	6,071	6,997,796	.....
1878	2,268,000	181,000	3,810,000	7,260,000	2,400,000	64,000	1,410,000	.....	.....	.....	.....	8,199	5,352,530	.....
1877	2,148,000	150,000	3,910,000	6,020,000	2,650,000	53,000	1,260,000	.....	.....	.....	.....	8,379	4,902,349	.....
1876	1,969,000	98,000	2,610,000	3,940,000	1,770,000	34,000	840,000	.....	.....	.....	.....	5,155	1,705,422	.....
1875	2,057,000	123,000	3,970,000	4,940,000	2,670,000	43,000	1,300,000	.....	.....	.....	.....	2,582	281,054	.....
1874	1,687,000	84,000	2,530,000	3,370,000	1,590,000	30,000	940,000	.....	.....	.....	.....	2,658	417,387	.....

<sup>1</sup> The figures of the Thirteenth Census are not shown in this table because they do not represent a single growth year.



TABLE 54.—QUANTITY OF SEA-ISLAND COTTON GINNED FROM THE CROPS OF 1915 TO 1919, BY COUNTIES.

[Cotton shown in this table is also included in Tables 7 and 8.]

COUNTY.	SEA-ISLAND CROP (BALES)—					SEA-ISLAND COTTON GINNED TO DEC. 13 (BALES)—				
	1919	1918	1917	1916	1915	1919	1918	1917	1916	1915
FLORIDA.										
The state.....	2,787	20,571	37,327	36,092	28,094	2,656	12,269	35,204	34,728	26,721
Alachua.....	88	4,996	11,896	7,883	6,119	78	3,752	11,146	7,612	5,980
Baker.....	(1)	550	1,559	1,345	1,167	(1)	136	1,400	1,188	1,162
Bradford.....	(1)	887	5,783	4,256	3,071	(1)	450	5,710	4,114	3,023
Columbia.....	486	1,994	3,942	3,236	1,983	486	1,322	3,890	3,026	1,895
Hamilton.....	458	1,388	2,956	3,966	3,868	453	874	2,772	3,873	3,761
Lafayette.....	(1)	197	1,130	807	449	(1)	83	1,076	755	403
Madison.....	163	500	1,841	7,289	5,833	163	193	1,795	7,129	5,458
Marion.....	.....	1,324	1,260	465	(1)	.....	983	827	458	(1)
Suwannee.....	1,326	4,265	6,334	6,466	4,894	1,278	1,945	6,023	6,206	4,385
All other.....	266	4,470	626	379	710	198	2,531	565	367	654
GEORGIA.										
The state.....	684	21,279	47,979	77,981	57,572	626	14,035	43,013	73,028	52,937
Appling.....	.....	468	1,269	1,373	1,063	.....	292	1,228	1,300	957
Bacon.....	(1)	646	1,512	1,590	1,426	(1)	205	1,403	1,509	1,246
Berrien <sup>2</sup> .....	(1)	436	5,342	15,091	13,015	(1)	349	5,203	14,148	12,292
Brooks.....	.....	40	904	7,298	4,381	.....	37	899	7,083	4,222
Bulloch.....	43	4,562	5,223	3,945	2,369	39	2,940	4,273	3,307	2,132
Candler.....	(1)	1,293	1,254	790	470	(1)	527	1,052	759	419
Clinch.....	.....	165	350	662	686	.....	109	281	626	645
Coffee.....	(1)	631	4,126	7,842	5,190	(1)	506	3,946	7,408	4,833
Colquitt.....	.....	.....	296	2,349	1,472	.....	.....	291	2,309	1,422
Cook <sup>2</sup> .....	(1)	226	.....	.....	.....	(1)	131	.....	.....	.....
Emanuel.....	(1)	1,218	988	1,225	461	(1)	669	741	1,113	416
Evans.....	(1)	1,451	2,698	2,730	1,958	(1)	997	2,257	2,515	1,685
Lowndes.....	77	986	6,048	14,508	12,429	65	978	5,986	13,780	11,594
Pierce.....	114	2,845	6,555	6,040	4,347	105	1,567	5,925	5,654	3,756
Tattnall.....	340	3,774	5,062	5,201	3,657	326	3,239	4,433	4,655	3,088
Ware.....	(1)	90	531	859	569	(1)	48	523	814	517
Wayne.....	14	1,587	3,206	3,565	2,659	11	1,119	2,725	3,320	2,379
All other.....	96	861	2,615	2,913	1,420	80	302	1,847	2,728	1,333
SOUTH CAROLINA.										
The state.....	3,445	10,358	7,313	3,486	6,178	2,954	4,934	5,071	2,407	4,452
Beaufort.....	167	1,688	1,093	952	860	130	707	359	577	456
Charleston.....	3,278	8,670	6,220	2,517	5,306	2,824	4,227	4,712	1,819	3,984
All other.....	.....	.....	.....	17	12	.....	.....	.....	11	12

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.<sup>2</sup> Cook County organized from part of Berrien.



TABLE 55.—NUMBER OF GINNERIES IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
ALABAMA. (See map, p. 128.)											
The state . . .	1,701	488	716,655	789,265	520,906	713,236	800,622	517,890	658,465	726,327	464,693
Autauga . . .	21	8	7,857	10,732	4,721	7,958	11,035	4,737	7,818	10,502	4,671
Baldwin . . .	9	1	738	1,731	410	723	1,700	416	699	1,580	281
Barbour . . .	47	26	9,317	12,306	8,383	9,088	12,284	8,292	9,256	11,942	8,302
Bibb . . .	9	13	1,978	4,054	1,004	1,979	4,164	1,057	1,965	3,539	998
Blount . . .	28	2	11,718	10,971	7,994	11,015	11,028	7,319	10,930	10,320	6,877
Bullock . . .	24	10	6,467	9,643	5,631	6,432	9,589	5,431	6,308	9,431	5,509
Butler . . .	27	14	8,325	9,711	4,870	8,237	9,760	4,912	8,140	9,540	4,736
Calhoun . . .	41	6	16,260	15,417	11,938	16,263	15,636	11,651	15,845	13,668	10,172
Chambers . . .	35	9	10,722	23,830	17,185	19,927	24,292	17,175	19,505	22,953	16,328
Cherokee . . .	49	8	19,623	18,407	13,893	19,262	18,558	13,693	18,863	16,394	11,091
Chilton . . .	18	4	8,532	9,640	3,704	8,433	9,659	3,612	8,494	9,305	3,670
Choctaw . . .	23	6	3,739	5,205	2,565	3,682	5,229	2,557	3,433	4,926	2,353
Clarke . . .	37	15	4,645	8,849	4,724	4,667	8,900	4,715	4,261	7,726	4,484
Clay . . .	39	10	8,951	8,341	4,908	8,595	8,338	4,672	8,502	7,316	4,336
Cleburne . . .	21	1	5,190	5,286	4,420	5,234	4,959	4,196	4,843	4,398	3,574
Coffee . . .	20	8	9,223	7,977	7,039	8,742	7,634	6,798	9,116	7,528	7,010
Colbert . . .	17	6	12,705	14,570	11,164	13,056	15,453	11,718	10,698	12,375	9,730
Conecuh . . .	19	10	5,279	7,675	4,157	5,083	7,465	4,261	4,909	7,035	4,041
Coosa . . .	11	14	1,635	1,417	521	1,535	1,351	503	1,492	1,225	425
Covington . . .	10	5	10,690	10,946	6,566	10,327	10,414	6,406	10,434	10,615	6,536
Crenshaw . . .	21	12	8,350	6,960	4,898	8,276	6,854	4,925	8,179	6,394	4,602
Cullman . . .	37	2	25,647	21,772	19,183	26,011	22,312	19,045	23,138	20,260	16,220
Dale . . .	11	2	5,953	4,622	3,610	5,808	4,445	3,177	5,814	4,375	3,464
Dallas . . .	51	10	16,839	24,955	14,235	16,943	25,664	14,560	16,808	24,665	14,124
Dekalb . . .	45	6	25,311	19,712	15,649	24,299	19,586	14,497	22,931	17,652	11,309
Elmore . . .	42	4	14,992	16,038	9,028	14,992	16,230	8,976	14,545	14,946	8,416
Escambia . . .	14	4	3,406	8,216	5,044	3,321	8,341	5,127	3,355	7,843	5,022
Etowah . . .	31	2	16,433	15,049	11,887	16,463	15,266	11,809	15,211	13,462	9,237
Fayette . . .	32	14	5,951	6,444	2,784	5,935	6,655	2,819	5,297	5,781	2,588
Franklin . . .	17	2	11,833	12,493	6,358	11,984	12,725	6,372	9,743	10,260	5,682
Geneva . . .	16	2	13,227	14,017	10,722	12,780	13,748	10,475	13,173	13,365	10,706
Greene . . .	9	7	3,245	5,810	2,463	3,129	5,736	2,313	3,179	5,568	2,412
Hale . . .	19	.....	5,268	10,314	4,646	4,966	10,671	4,564	5,257	9,974	4,577
Henry . . .	23	3	9,829	10,402	8,297	10,031	10,543	8,244	9,776	9,868	8,182
Houston . . .	15	4	10,182	8,884	8,339	10,015	9,001	8,272	10,157	8,675	8,293
Jackson . . .	24	5	16,958	15,139	10,024	17,341	15,412	10,102	14,202	12,652	6,548
Jefferson . . .	22	13	2,439	2,097	1,013	2,443	2,040	999	2,299	1,920	795
Lamar . . .	19	12	9,745	9,072	3,725	9,870	9,172	3,624	9,064	8,255	3,575
Lauderdale . . .	34	2	22,153	23,145	17,264	23,044	23,863	17,319	15,840	17,951	13,410
Lawrence . . .	21	1	16,936	21,645	14,891	17,844	22,706	15,350	13,913	19,060	12,566
Lee . . .	28	10	12,173	14,708	9,775	11,491	14,999	9,795	11,814	14,220	9,625
Limestone . . .	29	7	25,138	23,110	18,624	25,787	24,242	19,637	19,797	20,166	14,653
Lowndes . . .	27	14	7,076	8,222	4,184	6,677	8,243	4,180	7,011	8,010	4,150
Macon . . .	27	6	12,262	16,307	9,176	11,104	16,424	9,121	12,154	16,188	9,155
Madison . . .	38	8	40,456	34,720	26,484	42,657	36,775	27,390	33,726	30,470	21,291
Marengo . . .	30	3	9,156	17,864	11,528	9,187	18,307	11,711	8,938	17,189	11,024
Marion . . .	21	3	8,558	7,951	4,240	8,353	8,034	4,263	7,567	7,271	3,927
Marshall . . .	35	3	29,352	24,142	25,251	28,489	24,538	24,695	26,335	21,932	19,945
Mobile . . .	3	3	521	1,048	262	529	1,043	266	123	1,039	261
Monroe . . .	44	4	8,164	15,578	10,877	8,298	15,846	11,190	7,831	14,539	10,144
Montgomery . . .	29	10	10,653	15,231	8,272	10,338	14,993	8,267	10,564	14,584	7,990
Morgan . . .	31	7	25,846	23,478	20,263	27,138	24,267	20,202	19,271	19,523	16,371
Perry . . .	17	5	5,128	11,681	5,735	4,828	12,015	5,701	5,078	11,176	5,579
Pickens . . .	11	7	6,073	7,201	2,996	5,890	7,120	2,838	5,896	6,720	2,961
Pike . . .	22	8	9,080	7,793	4,953	9,015	7,768	5,067	8,999	7,567	4,876
Randolph . . .	39	2	12,701	15,888	11,342	12,571	16,060	11,043	12,269	14,479	10,231
Russell . . .	43	12	7,495	14,267	8,955	6,987	13,950	8,787	7,395	13,604	8,822
St. Clair . . .	18	2	6,195	5,433	3,436	6,075	5,447	3,266	5,962	5,061	3,212
Shelby . . .	11	9	3,646	3,362	1,120	3,729	3,418	1,108	3,463	3,271	1,060



TABLE 55.—NUMBER OF GINNTRIES IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
ALABAMA—Continued.											
Sumter.....	19	10	5,527	5,938	2,648	5,541	5,892	2,578	5,346	5,718	2,607
Talladega.....	28	10	15,733	13,867	8,333	15,343	14,039	7,743	15,553	13,321	8,063
Tallapoosa.....	31	9	11,560	10,238	5,412	11,404	10,237	5,229	11,247	9,882	5,289
Tuscaloosa.....	28	20	6,935	9,844	3,309	6,955	10,049	3,359	6,494	8,911	3,218
Walker.....	19	5	4,195	3,047	1,234	4,161	3,260	1,153	3,862	2,834	1,155
Washington.....	5	6	877	2,172	799	881	2,236	812	772	1,752	685
Wilcox.....	42	13	6,635	14,647	7,603	6,354	14,986	7,693	6,563	14,426	7,544
Winston.....	18	9	8,224	8,034	4,382	7,711	8,016	4,106	7,043	7,230	4,003
ARIZONA.											
The state.....	32	5	58,472	54,215	21,140	59,849	55,604	21,737	40,811	23,011	11,433
Maricopa.....	19	3	38,591	34,101	13,623	40,382	35,472	14,380	26,473	12,478	7,434
Yuma.....	9	2	18,647	19,844	7,403	18,278	19,868	7,245	13,891	10,518	3,992
All other.....	4		1,234	270	114	1,189	264	112	447	15	7
ARKANSAS. (See map, p. 129.)											
The state.....	1,547	218	867,177	957,118	953,587	884,473	987,340	973,752	655,942	801,373	827,573
Arkansas.....	7		2,033	3,412	3,734	2,098	3,473	3,706	1,431	2,763	3,288
Ashley.....	19	3	10,147	19,849	18,008	10,768	20,651	18,725	9,590	16,062	16,785
Baxter.....	21	3	2,377	3,308	2,621	2,388	3,320	2,631	2,052	2,259	2,031
Boone.....	4		1,231	874	636	1,223	873	650	1,140	667	469
Bradley.....	11	4	5,439	6,067	6,865	5,456	6,219	7,116	4,816	5,648	6,693
Calhoun.....	16	1	4,869	5,779	7,131	5,156	6,209	7,489	4,015	5,452	7,025
Chicot.....	29	6	14,246	25,153	22,396	14,508	25,711	22,033	11,361	17,142	17,717
Clark.....	23	2	9,229	13,140	14,053	8,906	13,190	14,064	7,615	12,389	13,624
Clay.....	14	4	12,628	10,778	14,524	12,716	10,840	14,210	10,350	7,440	10,439
Cleburne.....	12	2	4,069	3,154	4,030	4,185	3,244	4,060	3,205	2,713	3,558
Cleveland.....	21	5	7,102	7,858	10,266	6,913	7,712	10,309	6,066	7,271	10,022
Columbia.....	32	10	13,052	20,281	20,627	12,666	20,699	20,879	11,323	19,267	20,236
Conway.....	29	5	19,410	18,389	21,228	20,144	19,467	22,030	15,441	16,531	18,425
Craighead.....	19	1	19,979	17,425	15,461	20,558	17,348	15,835	15,028	11,600	11,408
Crawford.....	20	2	13,605	13,063	18,138	13,844	13,565	18,922	11,287	11,765	15,264
Crittenden.....	61	3	41,771	51,022	24,744	44,377	53,889	25,635	23,617	38,882	18,867
Cross.....	17		11,513	15,077	8,645	12,326	15,982	8,932	7,800	12,513	6,901
Dallas.....	13	2	4,269	5,660	5,882	4,204	5,762	6,014	3,686	5,236	5,672
Desha.....	27	9	13,620	16,281	14,639	14,059	16,620	14,636	9,304	11,140	12,843
Drew.....	17	5	8,911	11,701	13,434	9,023	12,015	13,848	7,264	9,891	12,158
Faulkner.....	24		16,553	14,342	19,391	16,990	14,913	20,132	12,762	13,098	17,714
Franklin.....	21	3	11,422	9,213	13,596	11,178	9,336	13,887	9,914	8,347	12,144
Fulton.....	16		3,412	4,052	4,013	3,373	4,075	4,089	2,998	2,826	3,003
Garland.....	7	4	2,516	2,968	2,831	2,435	2,850	2,857	2,048	2,687	2,354
Grant.....	13	1	3,012	4,035	5,100	2,418	3,992	5,045	2,698	3,722	4,827
Greene.....	14	1	11,376	10,766	12,050	11,246	10,473	11,353	8,486	8,351	8,779
Hempstead.....	29		13,208	18,812	19,000	12,653	19,527	19,171	11,832	18,230	18,432
Hot Spring.....	14	5	3,487	3,991	4,633	3,423	3,945	4,526	3,217	3,786	4,517
Howard.....	18	4	9,489	11,300	13,344	9,836	11,766	14,001	8,358	10,546	13,048
Independence.....	21	5	9,413	9,418	11,006	9,381	9,286	11,129	7,619	7,304	9,560
Izard.....	33	5	5,415	5,931	4,654	5,310	5,978	4,452	4,923	4,702	3,782
Jackson.....	29	9	26,278	28,194	28,659	26,168	29,666	29,140	17,990	21,000	23,336
Jefferson.....	75	8	34,503	44,560	44,788	35,117	44,943	45,155	26,061	34,892	39,295
Johnson.....	15	2	12,975	12,265	13,823	12,542	12,231	13,679	10,803	10,996	12,279
Lafayette.....	14		8,408	12,282	12,961	8,610	12,899	13,088	7,591	11,545	12,193
Lawrence.....	20	3	16,365	13,998	14,664	16,784	14,709	14,324	13,128	9,799	10,736
Lee.....	38	3	27,698	26,862	21,660	30,351	29,446	23,085	17,559	22,446	17,825
Lincoln.....	26	2	12,780	14,184	14,847	12,601	13,915	14,553	9,648	11,224	12,960
Little River.....	12		9,683	15,750	15,845	10,061	16,682	16,694	7,543	14,343	14,974
Logan.....	29	4	17,060	14,518	22,058	17,323	14,794	22,874	15,303	13,130	20,211



TABLE 55.—NUMBER OF GINNERS IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
ARKANSAS—Continued.											
Lonoke.....	45	5	25,674	27,603	28,653	25,946	28,150	29,851	19,176	24,666	25,812
Marion.....	11	1	1,841	1,966	1,771	1,823	1,969	1,767	1,639	1,492	1,534
Miller.....	22	6	9,584	12,422	11,323	9,743	12,829	11,443	8,040	10,817	10,432
Mississippi.....	50	7	60,378	64,720	41,261	61,755	65,587	40,956	37,966	51,888	32,555
Monroe.....	18	4	14,562	13,664	16,651	15,363	14,957	17,580	10,505	12,777	14,282
Montgomery.....	14	1	2,714	2,276	3,395	2,620	2,203	3,468	2,232	2,079	3,171
Nevada.....	26	.....	9,887	12,619	14,501	10,012	12,993	15,325	7,827	11,811	13,535
Ouachita.....	26	9	6,413	10,022	9,393	6,409	10,090	9,416	5,558	9,494	9,249
Perry.....	12	2	4,561	3,629	6,773	4,550	3,775	6,980	3,788	3,429	6,103
Phillips.....	45	2	33,339	36,898	37,602	35,419	39,223	39,926	23,418	30,535	30,308
Pike.....	11	5	4,761	4,361	4,694	4,745	4,402	4,581	3,962	3,899	4,601
Poinsett.....	15	.....	17,263	20,065	11,605	18,454	21,056	12,160	11,490	15,699	9,426
Polk.....	13	.....	6,135	5,263	5,610	6,201	5,294	5,785	4,628	4,742	4,834
Pope.....	20	3	19,859	17,848	24,701	19,589	18,205	25,264	16,495	16,299	20,743
Prairie.....	12	5	6,359	5,412	8,337	6,770	5,775	8,841	4,514	4,581	6,872
Pulaski.....	47	7	16,253	21,243	19,872	16,328	22,004	20,321	10,975	17,561	16,381
Randolph.....	11	5	9,131	8,475	6,641	9,222	8,231	6,548	7,316	5,947	5,149
St. Francis.....	32	1	28,725	27,881	18,403	30,374	30,284	19,180	19,622	23,136	15,131
Saline.....	12	.....	2,519	3,381	3,941	2,402	3,302	3,877	2,056	3,060	3,775
Scott.....	18	2	9,168	6,994	10,616	8,992	7,054	10,773	8,047	6,390	9,637
Searcy.....	7	1	1,143	1,576	1,467	1,169	1,553	1,419	932	1,097	1,272
Sebastian.....	20	3	11,913	9,488	16,058	11,613	9,499	16,739	10,519	8,727	14,953
Sevier.....	16	.....	6,951	10,201	8,629	7,225	10,411	8,777	5,685	9,558	8,384
Sharp.....	18	.....	3,519	4,299	3,316	3,442	4,206	3,319	3,200	3,457	2,646
Stone.....	16	2	1,267	1,450	1,391	1,273	1,440	1,395	1,006	1,009	1,097
Union.....	31	11	11,549	17,045	16,676	10,840	17,382	16,363	9,496	15,609	16,249
Van Buren.....	11	2	4,436	3,903	4,830	4,581	3,996	5,027	3,728	3,240	3,909
White.....	35	.....	18,373	16,442	23,355	18,505	16,639	23,701	13,324	14,689	21,130
Woodruff.....	21	3	23,750	22,939	21,495	24,909	25,049	22,899	15,806	19,099	18,025
Yell.....	31	3	20,302	16,921	24,428	20,144	17,151	24,873	15,936	14,824	20,777
All other.....	1	2	295	400	234	307	416	234	184	257	207

## CALIFORNIA.

The state....	27	2	59,082	71,479	58,974	56,107	67,351	57,826	33,907	37,792	30,453
Imperial.....	19	2	39,082	57,750	52,939	37,434	53,886	51,880	22,026	30,439	26,371
Riverside.....	5	.....	17,095	13,594	6,035	15,885	13,333	5,946	10,652	7,345	4,082
All other.....	3	.....	2,905	135	.....	2,788	132	.....	1,229	8	.....

## FLORIDA. (See map, p. 130.)

The state....	93	117	17,317	34,951	48,178	15,922	29,415	37,858	16,763	24,151	45,268
Alachua.....	5	14	409	5,672	12,426	363	4,272	9,129	388	4,332	11,630
Baker.....	2	3	(1)	550	1,559	(1)	358	1,164	(1)	136	1,400
Bradford.....	2	11	(1)	956	5,783	(1)	720	4,219	(1)	450	5,710
Columbia.....	5	6	1,077	2,382	4,324	907	1,984	3,449	1,075	1,686	4,269
Gadsden.....	2	5	(1)	54	173	(1)	52	169	(1)	1	100
Hamilton.....	5	3	882	1,460	2,969	718	1,066	2,173	876	928	2,785
Holmes.....	3	1	355	334	(1)	371	338	(1)	348	238	(1)
Jackson.....	9	5	5,276	3,526	2,450	5,121	3,346	2,284	5,081	3,126	2,335
Jefferson.....	6	9	1,141	1,003	1,801	1,049	924	1,687	1,141	982	1,786
Lafayette.....	2	3	(1)	200	1,167	(1)	157	910	(1)	83	1,102
Lake.....	1	1	(1)	804	.....	(1)	643	.....	(1)	387	.....
Leon.....	10	1	2,135	2,641	2,610	2,090	2,637	2,585	2,110	2,528	2,596
Levy.....	2	2	(1)	477	.....	(1)	369	.....	(1)	.....	440
Madison.....	4	7	1,089	897	2,306	895	767	1,735	1,089	539	2,259

¹ Included in "All other counties," to avoid disclosure of individual operations.



TABLE 55.—NUMBER OF GINNERIES IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES.—Continued.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales.—			Number of equivalent 500-pound bales—					
			1919	1919	1918	1917	1919	1918	1917	1919	1918
FLORIDA—Continued.											
Marion.....	7		1,335	1,625		1,032	1,192		983	896	
Okaloosa.....	6	608	872	373	586	841	374	582	813	349	
Polk.....	2		387			289			271		
Suwannee.....	8	1,783	4,493	6,735	1,414	3,524	5,093	1,695	2,097	6,375	
Volusia.....	2		340			289			183		
Walton.....	6	233	100	115	232	98	115	229	93	106	
Washington.....	3	761	(1)	(1)	784	(1)	(1)	752	(1)	(1)	
All other.....	12	20	1,568	6,945	1,285	1,392	6,078	1,211	1,397	4,295	1,130

## GEORGIA. (See map, p. 131.)

The state....	2,782	699	1,678,758	2,117,860	1,885,054	1,659,529	2,122,405	1,883,911	1,608,024	1,873,552	1,719,653
Appling.....	7	2	1,912	5,981	6,420	1,785	5,582	5,738	1,902	5,352	6,362
Atkinson <sup>2</sup> .....	3	3	536	1,656	.....	454	1,552	.....	536	1,591	.....
Bacon.....	4	5	926	3,037	3,446	835	2,702	3,040	914	2,203	3,299
Baker.....	5	3	1,227	1,697	3,078	1,231	1,702	2,658	1,208	1,587	3,066
Baldwin.....	14	1	10,047	14,707	11,598	10,047	14,548	11,160	9,984	12,681	11,117
Banks.....	28	1	10,674	11,007	8,441	10,142	10,620	8,058	9,830	9,343	6,860
Barrow.....	20	3	20,270	18,531	16,433	20,047	18,307	16,062	18,935	16,641	14,160
Bartow.....	31	3	25,941	19,514	16,794	26,548	20,337	16,959	24,761	17,015	13,401
Ben Hill.....	6	9	3,541	8,514	11,318	3,277	8,330	10,707	3,500	8,298	11,128
Berrien <sup>3</sup> .....	7	1	2,344	4,137	10,683	2,035	3,598	8,701	2,303	3,957	10,475
Bibb.....	19	4	8,351	14,860	15,155	8,242	15,217	15,691	8,228	12,306	10,313
Bleckley.....	7	9	3,398	12,063	11,350	3,397	12,743	12,056	3,384	11,165	11,240
Brooks.....	15	9	6,467	6,161	7,422	5,982	6,100	7,544	6,446	6,106	7,412
Bryan.....	9	7	796	3,972	3,510	752	3,787	3,335	783	3,740	3,433
Bulloch.....	39	15	15,844	32,613	30,394	15,122	31,535	28,979	15,795	28,946	28,742
Burke.....	73	20	53,075	67,071	66,853	55,831	70,877	70,495	52,352	59,749	62,386
Butts.....	15	1	15,991	17,020	14,324	16,659	17,789	15,057	15,166	15,118	12,518
Calhoun.....	10	6	5,572	6,408	4,994	5,376	6,181	4,745	5,525	6,268	4,977
Camden.....	2	1	(1)	268	323	(1)	249	301	(1)	120	201
Campbell.....	18	2	15,283	14,554	11,702	15,038	14,892	11,667	14,587	12,388	9,974
Candler.....	9	3	5,893	12,497	12,110	6,033	12,630	12,464	5,884	9,694	11,764
Carroll.....	38	4	34,715	34,591	27,795	38,882	33,927	27,222	33,129	29,305	22,809
Catoosa.....	3	2	2,118	1,365	879	2,052	1,360	817	1,976	1,094	569
Charlton.....	2	1	(1)	341	917	(1)	292	752	(1)	256	704
Chattahoochee.....	14	4	1,199	3,341	2,877	1,102	3,237	2,826	1,150	3,105	2,779
Chattooga.....	18	.....	12,284	10,826	8,476	11,741	10,484	8,249	11,217	9,218	6,318
Cherokee.....	40	3	13,942	11,989	7,915	12,595	10,982	7,097	12,537	9,460	5,490
Clarke.....	19	1	17,233	16,060	14,430	17,195	16,192	14,251	16,174	13,100	11,399
Clay.....	7	3	2,710	3,755	2,101	2,672	3,715	2,103	2,550	3,323	2,094
Clayton.....	13	3	13,185	14,180	10,391	13,625	14,211	10,514	12,423	12,013	8,643
Clinch.....	4	1	112	397	654	86	276	540	107	294	504
Cobb.....	35	6	24,738	20,376	15,058	23,877	19,981	14,456	22,776	16,018	11,818
Coffee <sup>2</sup> .....	13	7	4,563	12,926	22,111	4,234	12,075	20,639	4,542	12,494	21,446
Colquitt.....	14	3	11,738	13,094	13,833	11,365	12,858	13,381	11,564	12,790	13,695
Columbia.....	22	4	12,470	18,095	13,696	12,852	19,058	14,282	12,343	16,602	13,483
Cook <sup>3</sup> .....	3	4	2,600	2,083	.....	2,366	1,816	.....	2,598	1,900	.....
Coweta.....	23	6	29,971	31,568	21,439	29,983	31,631	21,623	28,721	27,224	17,773
Crawford.....	17	4	3,093	6,303	5,973	3,089	6,341	6,232	3,072	5,654	5,717
Crisp.....	13	6	7,559	13,136	15,670	7,509	13,086	16,247	7,516	12,833	15,541
Dawson.....	6	7	1,579	1,414	871	1,360	1,205	740	1,312	1,033	555
Decatur.....	11	3	5,205	4,720	5,024	5,225	4,574	4,504	5,168	4,514	4,983
Dekalb.....	24	1	17,223	16,344	10,928	16,737	16,301	10,581	15,373	13,425	8,803
Dodge.....	22	6	11,890	34,842	30,967	11,167	35,678	31,481	11,376	31,567	30,424
Dooley.....	30	5	13,068	31,852	33,384	12,937	32,432	34,693	12,895	30,352	32,979
Dougherty.....	7	13	6,652	6,425	8,371	6,491	6,542	8,746	6,480	5,983	8,224

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.<sup>2</sup> A tkinson County organized from part of Coffee.<sup>3</sup> Cook County organized from part of Berrien.



TABLE 55.—NUMBER OF GINNERS IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GINN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—			
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917	
			1919	1918	1917	1919	1918	1917				
GEORGIA—Continued.												
Douglas.....	15	.....	11,949	10,848	7,608	11,459	10,134	7,328	10,838	8,890	6,042	
Early.....	12	5	6,935	8,094	6,273	7,020	8,172	6,422	6,900	7,926	5,898	
Effingham.....	14	6	1,657	6,322	4,693	1,502	6,232	4,533	1,642	5,181	4,215	
Elbert.....	33	16	25,673	22,385	21,949	24,769	21,154	20,966	24,735	18,890	19,217	
Emanuel.....	28	3	19,564	46,645	35,842	19,600	46,891	36,231	19,430	40,793	34,748	
Evans.....	9	7	3,805	8,200	7,444	3,376	7,386	6,767	3,783	7,212	6,910	
Fayette.....	16	7	16,731	16,738	13,656	16,688	16,644	13,651	15,990	14,723	10,570	
Floyd.....	35	12	22,885	19,477	15,944	23,009	19,703	15,909	21,831	16,425	12,473	
Forsyth.....	35	1	13,587	11,855	7,017	12,636	11,175	6,393	12,595	9,742	5,357	
Franklin.....	37	7	30,562	27,117	23,871	30,098	26,721	23,093	29,099	23,219	19,533	
Fulton.....	6	.....	4,005	2,939	1,366	3,884	2,839	1,136	3,507	2,048	1,000	
Glascocock.....	8	8	4,201	5,345	5,119	4,398	5,543	5,455	4,089	4,678	4,853	
Gordon.....	19	5	15,669	13,818	9,849	14,441	13,083	9,390	14,263	11,960	7,166	
Grady.....	9	5	1,431	2,748	3,017	1,328	2,647	2,886	1,402	2,648	2,944	
Greene.....	17	5	20,793	21,748	15,740	21,479	22,340	16,203	20,030	18,773	14,396	
Gwinnett.....	53	3	31,142	30,177	23,188	30,469	29,797	22,683	28,083	25,511	19,491	
Habersham.....	7	2	1,894	1,350	654	1,645	1,141	573	1,698	988	561	
Hall.....	57	7	20,325	16,554	10,217	19,162	15,286	8,934	18,101	13,224	7,597	
Hancock.....	26	8	19,853	22,859	19,021	19,789	22,918	18,903	19,402	21,044	18,610	
Haralson.....	16	4	11,352	10,234	7,981	10,812	9,792	7,630	10,629	8,535	6,301	
Harris.....	23	6	7,989	12,996	10,410	7,625	12,978	10,450	7,948	12,631	9,977	
Hart.....	39	3	23,448	17,888	18,050	23,608	17,799	17,660	22,493	14,381	15,346	
Heard.....	21	2	9,733	11,306	7,995	9,116	11,154	7,819	9,628	10,382	7,504	
Henry.....	25	3	34,613	31,617	23,584	34,925	32,319	23,886	31,701	28,110	20,222	
Houston.....	28	14	7,256	20,240	17,798	6,951	20,867	18,841	7,197	18,961	17,317	
Irwin.....	11	5	5,320	12,133	15,415	4,767	11,935	15,442	5,268	11,801	15,087	
Jackson.....	48	12	37,187	36,016	28,698	36,153	35,094	27,320	33,806	30,615	23,241	
Jasper.....	24	5	20,002	27,037	22,752	20,746	28,535	24,135	19,423	23,658	20,690	
Jeff Davis.....	6	3	852	3,266	3,309	800	3,199	3,338	813	3,199	3,280	
Jefferson.....	38	5	25,183	39,725	32,675	26,110	41,547	34,236	24,929	36,275	31,634	
Jenkins.....	41	3	15,564	25,282	20,323	15,586	25,353	20,339	14,795	22,824	19,625	
Johnson.....	20	2	9,709	20,322	20,711	9,744	21,065	21,636	9,692	18,002	20,207	
Jones.....	22	3	7,309	13,092	11,366	7,249	13,396	11,527	7,269	11,995	10,726	
Laurens.....	37	16	20,165	59,253	52,480	20,076	60,000	53,918	19,967	52,326	49,504	
Lee.....	23	5	5,687	6,725	7,575	5,626	6,756	7,758	5,651	6,621	7,489	
Liberty.....	6	6	222	2,639	2,297	197	2,390	2,123	200	1,918	2,039	
Lincoln.....	18	1	9,484	9,484	8,514	9,548	9,848	8,822	8,801	8,441	7,721	
Lowndes.....	7	16	1,987	2,088	6,625	1,841	1,840	5,347	1,942	2,080	6,562	
Lumpkin.....	4	3	526	546	383	492	488	327	449	449	259	
McDuffie.....	13	7	12,405	12,979	11,237	12,658	13,685	11,947	12,146	11,262	10,835	
Macon.....	13	8	6,897	13,571	14,483	6,758	13,601	14,645	6,853	12,859	14,233	
Madison.....	44	2	29,915	22,906	22,232	28,497	21,949	21,129	28,742	19,666	18,761	
Marion.....	16	9	2,488	5,405	4,791	2,382	5,460	4,785	2,441	4,770	4,516	
Meriwether.....	27	2	20,046	29,104	23,848	19,822	29,116	24,029	19,946	27,428	22,264	
Miller.....	6	.....	2,318	2,469	2,127	2,174	2,359	2,082	2,288	2,437	2,125	
Milton.....	18	3	9,141	7,829	5,347	8,651	7,650	4,978	8,454	6,476	4,275	
Mitchell.....	19	4	13,513	12,742	12,816	13,135	12,496	12,605	13,364	11,995	12,693	
Monroe.....	30	13	16,565	24,871	21,498	16,240	25,234	21,799	16,220	21,852	19,509	
Montgomery <sup>1</sup> .....	10	.....	4,484	12,380	20,381	4,368	12,588	20,049	4,479	10,380	19,777	
Morgan.....	26	4	34,869	33,599	25,346	35,504	34,580	25,863	32,640	28,511	22,680	
Murray.....	9	.....	4,728	4,242	2,619	4,621	4,078	2,515	4,034	3,673	2,070	
Muscogee.....	16	3	2,930	6,167	4,690	2,832	6,034	4,674	2,881	5,967	4,617	
Newton.....	27	1	30,041	24,781	21,738	30,654	25,301	22,464	28,270	21,696	18,351	
Oconee.....	15	.....	18,674	18,121	15,977	18,850	18,255	15,919	17,919	15,624	14,156	
Oglethorpe.....	40	2	28,008	27,150	24,049	27,801	27,498	24,164	26,115	23,035	20,678	
Paulding.....	16	1	12,423	11,029	7,830	11,710	10,451	7,171	11,627	9,282	6,505	
Pickens.....	14	3	3,156	2,404	1,634	2,835	2,128	1,477	2,927	1,990	1,136	
Pierce.....	9	3	1,310	4,039	7,336	1,119	3,351	5,826	1,267	2,575	6,651	

<sup>1</sup> Treutlen County organized from part of Montgomery.



TABLE 55.—NUMBER OF GINNERIES IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GINNERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Active.	Idle.	Number of bales (counting round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
GEORGIA—Continued.											
Pike.....	22	1	21,383	26,045	21,422	21,049	26,821	21,593	21,086	23,920	20,454
Polk.....	24	2	17,867	13,076	10,914	17,742	13,309	10,515	16,669	11,366	8,633
Pulaski.....	11	2	4,722	12,039	14,582	4,684	12,422	15,396	4,698	11,479	14,216
Putnam.....	19	11	14,148	17,729	13,683	14,258	18,055	14,044	13,896	14,956	12,501
Quitman.....	7	4	359	680	656	332	671	642	348	631	628
Randolph.....	17	6	7,919	10,861	8,439	7,501	10,531	8,221	7,802	10,333	8,201
Richmond.....	19	.....	13,696	15,602	12,555	13,570	16,029	12,904	13,365	13,911	11,558
Rockdale.....	14	2	11,679	11,395	8,520	11,814	11,653	8,721	10,730	9,756	6,775
Schley.....	8	4	2,923	6,137	5,893	2,824	6,051	5,780	2,915	5,760	5,853
Screven.....	72	17	22,179	35,236	35,049	22,057	36,321	36,147	21,591	29,425	33,077
Spalding.....	18	9	23,532	23,038	18,885	23,772	23,425	19,527	21,712	19,718	16,230
Stephens.....	19	.....	7,321	8,094	5,855	7,123	7,837	5,691	6,952	6,802	4,622
Stewart.....	13	8	3,906	5,700	4,564	3,810	5,699	4,568	3,827	5,432	4,445
Sumter.....	55	20	15,885	26,423	25,523	15,946	27,173	26,080	15,716	25,420	25,037
Talbot.....	18	1	4,711	8,626	8,709	4,595	8,597	8,958	4,687	8,341	8,184
Taliaferro.....	13	2	10,927	11,162	9,722	11,176	11,466	9,549	10,595	9,702	8,716
Tattnall.....	10	5	5,201	12,641	12,147	4,742	11,939	11,118	5,140	10,998	10,754
Taylor.....	23	9	6,738	10,950	9,678	6,729	11,024	10,017	6,562	9,937	9,491
Telfair.....	16	1	4,542	17,671	19,018	4,339	17,441	19,223	4,519	16,951	18,600
Terrell.....	21	5	16,716	19,083	19,393	16,322	18,885	19,009	16,505	18,570	19,210
Thomas.....	17	5	6,272	7,731	7,555	5,803	7,649	7,231	6,241	7,624	7,530
Tift.....	13	2	7,660	9,684	10,967	7,306	9,359	10,907	7,588	9,623	10,949
Toombs.....	13	3	6,832	15,598	16,010	6,631	15,476	15,882	6,785	13,997	15,325
Treutlen <sup>1</sup> .....	5	.....	4,539	9,002	.....	4,629	9,153	.....	4,485	6,920	.....
Troup.....	18	2	17,315	22,843	18,031	16,636	22,619	17,624	17,212	21,651	16,685
Turner.....	16	2	8,627	15,162	18,208	8,460	15,317	18,823	8,605	14,978	18,128
Twiggs.....	19	19	3,083	12,908	10,472	3,253	14,031	11,444	3,019	10,997	10,100
Upson.....	22	4	8,201	13,955	13,080	7,916	13,198	13,101	8,066	12,052	12,360
Walker.....	14	.....	9,519	7,140	5,390	9,677	7,057	5,164	8,826	5,916	4,109
Walton.....	36	2	37,784	34,848	31,228	37,928	34,186	31,222	35,899	30,235	27,145
Ware.....	3	1	329	1,481	1,661	284	1,355	1,488	307	1,403	1,649
Warren.....	18	2	14,550	14,668	12,486	14,707	15,093	13,093	13,727	12,707	11,252
Washington.....	34	1	20,892	32,243	30,041	21,097	33,546	31,369	20,661	28,427	29,110
Wayne.....	8	6	1,357	6,037	6,435	1,171	5,150	5,557	1,342	5,286	5,868
Webster.....	5	5	1,062	1,507	1,732	971	1,490	1,679	1,032	1,388	1,724
Wheeler.....	6	4	3,554	9,507	8,450	3,491	9,762	8,573	3,493	7,890	8,134
White.....	4	2	810	747	345	703	642	302	732	349	263
Whitfield.....	14	4	10,983	7,614	4,714	10,421	7,294	4,467	10,119	6,274	3,405
Wilcox.....	21	4	11,362	24,909	26,117	11,332	25,367	26,697	11,333	23,881	25,906
Wilkes.....	31	10	31,875	32,560	27,665	32,793	34,019	28,672	30,216	27,577	24,794
Wilkinson.....	25	4	4,186	9,884	9,218	4,050	9,941	9,242	4,138	8,621	8,677
Worth.....	17	6	13,051	14,650	16,634	13,053	14,410	16,365	12,862	14,499	16,605
All other.....	4	8	556	1,867	1,912	522	1,735	1,752	367	1,437	998

LOUISIANA. (See map, p. 130.)

The state...	952	239	303,035	582,698	629,719	297,681	587,717	638,729	279,370	497,786	580,094
Acadia.....	7	2	5,989	8,806	13,607	5,730	8,413	13,229	5,825	7,985	13,487
Allen.....	3	3	208	845	600	203	898	544	198	746	333
Ascension.....	3	.....	1,183	2,463	2,136	1,166	2,366	2,062	1,119	2,208	2,032
Avoyelles.....	32	8	11,665	30,489	27,211	12,244	32,818	29,023	10,846	25,843	26,012
Beauregard.....	4	1	266	1,337	884	266	1,351	840	235	1,324	863
Bienville.....	30	2	9,217	25,705	21,238	9,117	15,809	21,548	8,603	14,740	20,271
Bossier.....	37	5	12,144	22,766	31,029	12,616	23,630	32,229	10,725	21,480	28,573
Caddo.....	48	7	22,515	31,273	52,473	23,042	42,096	54,285	20,184	34,328	47,079
Caldwell.....	15	9	2,922	5,099	6,024	2,513	5,071	6,040	2,346	4,426	5,549
Cameron.....	5	1	783	961	2,451	799	999	2,517	397	475	2,138

<sup>1</sup> Treutlen County organized from part of Montgomery.



TABLE 55.—NUMBER OF GINNERS IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
LOUISIANA—Continued.											
Catahoula.....	19	8	4,940	13,507	14,804	4,953	13,656	14,967	4,669	10,393	12,907
Claiborne.....	38	8	13,067	19,783	22,680	12,861	20,060	22,880	11,546	18,811	22,389
Concordia.....	30	7	3,932	17,265	13,970	3,358	17,096	14,207	2,998	11,260	11,025
De Soto.....	31	4	8,965	17,344	28,967	8,413	17,268	29,656	8,423	14,982	28,062
East Baton Rouge.....	8	6	4,048	5,812	4,662	3,703	5,584	4,431	3,951	5,528	4,513
East Carroll.....	16	.....	8,685	13,959	12,121	9,613	15,991	13,728	7,745	8,331	9,423
East Feliciana.....	17	.....	4,713	9,908	9,181	4,326	9,983	9,120	4,711	9,252	9,025
Evangeline.....	12	1	7,543	12,917	12,627	6,893	12,194	12,389	7,361	11,210	12,442
Franklin.....	26	2	15,606	21,010	23,506	15,924	21,086	23,741	15,378	18,093	22,017
Grant.....	10	7	1,085	5,727	5,680	1,042	5,860	5,728	913	5,178	5,638
Iberia.....	2	.....	(1)	(1)	742	(1)	(1)	756	(1)	(1)	723
Iberville.....	1	5	(1)	821	(1)	(1)	809	(1)	(1)	517	(1)
Jackson.....	19	6	4,564	7,079	8,553	4,522	7,039	8,507	4,052	6,118	8,078
Jefferson Davis.....	3	.....	447	(1)	(1)	447	(1)	(1)	411	(1)	(1)
La Salle.....	4	2	543	1,624	1,274	539	1,638	1,270	389	1,346	1,220
Lafayette.....	11	2	13,903	14,404	18,222	13,803	14,652	18,353	13,739	13,366	17,934
Lincoln.....	30	1	8,264	11,804	12,437	8,176	11,795	12,735	7,726	11,086	12,141
Livingston.....	7	4	1,659	1,570	1,990	1,540	1,513	1,966	929	1,371	1,672
Madison.....	21	7	4,583	13,271	10,804	4,766	13,725	11,217	3,962	7,842	7,221
Morehouse.....	26	1	8,655	18,560	21,718	8,120	18,334	21,514	6,988	13,850	16,583
Natchitoches.....	54	14	12,697	29,320	32,831	12,327	29,212	33,313	12,247	27,082	31,863
Ouachita.....	33	3	8,685	16,273	16,300	8,296	15,853	16,623	7,763	13,674	14,262
Pointe Coupee.....	20	16	4,682	10,773	8,637	4,471	10,945	8,865	4,443	9,079	8,157
Rapides.....	19	14	3,932	23,708	20,550	3,520	23,556	20,607	3,754	21,668	20,279
Red River.....	18	7	6,962	14,989	19,882	7,052	15,235	20,339	6,675	13,905	18,066
Richland.....	30	8	12,379	21,435	27,579	11,584	21,662	27,937	12,125	18,522	23,811
Sabine.....	14	4	2,523	9,440	10,504	2,435	9,476	10,405	2,391	8,364	10,147
St. Helena.....	10	3	1,722	2,884	2,283	1,578	2,834	2,193	1,717	2,763	2,220
St. Landry.....	43	8	15,392	29,081	31,932	15,126	28,210	30,778	15,100	25,823	30,649
St. Martin.....	3	2	2,934	3,664	1,907	2,671	3,521	1,780	2,347	2,498	1,904
St. Tammany.....	5	1	582	665	352	473	610	346	570	603	352
Tangipahoa.....	12	1	3,273	4,824	2,772	3,148	4,778	2,728	3,254	4,505	2,759
Tensas.....	45	19	7,380	17,816	14,628	7,336	18,488	15,037	6,731	10,888	11,272
Union.....	32	5	8,724	10,600	11,511	8,658	10,628	11,641	6,850	9,852	11,163
Vermilion.....	7	.....	4,143	5,789	6,879	4,007	5,845	7,029	3,950	5,579	6,722
Vernon.....	9	8	251	1,868	1,963	238	1,742	1,894	214	1,463	1,885
Washington.....	27	1	4,722	6,633	4,585	4,454	6,300	4,512	4,657	6,141	4,577
Webster.....	20	.....	8,661	14,546	13,335	8,780	15,128	13,538	7,683	13,746	12,904
West Carroll.....	7	.....	6,412	9,496	8,317	6,253	9,340	8,374	6,273	8,357	8,000
West Feliciana.....	6	5	1,485	3,756	3,286	1,346	3,769	3,321	1,478	3,658	3,274
Winn.....	20	5	2,415	6,061	5,559	2,285	5,968	5,374	1,873	4,930	5,051
All other.....	3	6	994	2,968	2,627	948	2,973	2,613	906	2,597	1,427

MISSISSIPPI. (See map, p. 134.)

The state.....	1,695	331	950,907	1,193,122	886,269	960,886	1,226,051	905,554	779,604	987,332	773,824
Adams.....	9	3	2,005	5,450	3,127	1,928	5,386	3,057	1,908	4,386	2,879
Alcorn.....	20	9	8,200	7,626	3,981	8,379	7,969	4,011	6,294	6,941	3,610
Amite.....	19	.....	6,624	10,728	9,162	6,375	10,640	9,122	6,447	10,022	9,084
Attala.....	19	2	7,645	8,311	4,550	7,354	8,130	4,463	7,217	7,640	4,273
Benton.....	22	9	6,236	6,161	3,420	6,529	6,577	3,543	4,438	5,302	2,795
Bolivar.....	87	6	99,024	115,997	110,207	106,898	124,936	116,609	73,507	88,338	96,354
Calhoun.....	11	4	5,238	4,793	2,019	5,218	4,815	1,956	4,578	4,544	1,920
Carroll.....	18	7	7,365	9,449	6,628	7,526	9,797	6,574	6,770	8,768	6,432
Chickasaw.....	10	8	9,971	10,207	5,627	9,337	10,272	5,238	8,921	9,909	5,468
Choctaw.....	8	6	2,374	2,376	1,102	2,524	2,273	1,019	2,276	2,205	1,046

¹ Included in "All other counties," to avoid disclosures of individual operations.



TABLE 55.—NUMBER OF GINNTRIES IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
MISSISSIPPI—Continued.											
Claiborne.....	12	----	3,522	7,728	6,567	3,030	6,858	5,875	3,510	7,204	6,497
Clarke.....	11	2	2,846	3,426	1,617	2,794	3,596	1,711	2,737	3,240	1,584
Clay.....	9	4	6,568	7,872	3,982	6,178	8,190	4,005	6,288	7,617	3,935
Cochama.....	93	----	68,242	80,372	71,085	70,098	83,056	74,824	43,099	57,955	55,661
Copiah.....	19	2	5,585	8,988	5,222	5,358	8,848	5,268	5,524	8,633	5,184
Covington.....	12	3	4,973	5,946	3,333	4,805	5,765	3,260	4,824	5,378	3,204
De Soto.....	31	7	24,358	29,447	17,553	26,272	31,879	18,768	15,831	23,014	12,175
Forrest.....	3	1	1,866	(1)	(1)	1,848	(1)	(1)	1,790	(1)	(1)
Franklin.....	15	----	3,017	5,344	3,958	2,961	5,335	3,978	2,941	4,786	3,861
Grenada.....	15	3	8,113	8,716	4,558	8,106	8,817	4,363	7,061	8,433	4,419
Hinds.....	32	1	20,108	28,397	20,669	20,317	29,664	21,264	19,620	26,080	20,377
Holmes <sup>2</sup> .....	44	6	24,184	33,177	28,879	23,644	33,524	29,350	22,009	28,443	25,148
Humphreys <sup>2</sup> .....	27	1	18,069	23,635	-----	17,733	24,694	-----	16,563	19,555	-----
Issaquena.....	18	4	5,773	10,128	8,074	5,706	10,527	8,410	4,358	5,633	5,321
Itawamba.....	15	6	3,750	4,336	1,629	3,875	4,518	1,674	3,300	4,115	1,583
Jasper.....	14	8	4,059	6,563	3,440	3,896	6,538	3,377	3,968	6,152	3,335
Jefferson.....	13	10	4,440	10,883	7,202	4,009	10,354	6,970	4,246	9,927	7,021
Jefferson Davis.....	18	2	7,097	9,211	7,087	6,543	8,754	7,026	7,033	8,666	7,007
Jones.....	8	1	4,936	8,104	4,579	4,473	7,853	4,442	4,708	7,019	4,226
Kemper.....	27	11	3,766	7,388	3,093	3,719	7,673	3,137	3,476	6,882	3,012
Lafayette.....	16	17	7,291	4,928	1,908	6,969	4,557	1,739	5,917	4,650	1,749
Lamar.....	5	3	1,689	2,360	555	1,549	2,274	533	1,660	1,971	547
Lauderdale.....	18	13	4,761	6,807	2,723	4,488	6,483	2,722	4,406	6,200	2,579
Lawrence.....	11	2	7,193	9,290	7,957	6,920	9,060	7,906	7,124	8,692	7,889
Leake.....	37	3	6,347	7,354	4,922	6,007	7,077	4,879	5,681	6,999	4,458
Lee.....	17	6	15,081	15,199	7,438	15,235	16,108	7,539	13,296	14,491	7,079
Leflore.....	71	2	46,477	63,512	50,658	45,399	63,614	51,509	37,967	49,678	41,768
Lincoln.....	11	1	7,669	9,796	7,406	7,710	9,916	7,547	7,586	9,302	7,340
Lowndes.....	14	6	8,061	10,013	6,394	7,892	10,263	6,343	7,492	8,771	6,010
Madison.....	23	6	17,230	20,693	14,844	16,923	21,140	15,081	17,143	19,951	14,786
Marion.....	16	----	5,518	5,620	2,615	5,249	5,392	2,321	5,368	5,278	2,590
Marshall.....	34	2	19,797	19,084	11,863	20,573	19,828	12,321	14,045	16,641	9,332
Monroe.....	19	10	12,310	13,813	7,115	13,194	15,087	7,767	11,710	13,096	6,857
Montgomery.....	13	1	5,838	6,621	3,422	5,819	6,534	3,409	5,287	6,297	3,257
Neshoba.....	24	5	5,732	7,845	3,541	5,373	7,749	3,389	5,476	7,135	3,442
Newton.....	19	5	4,754	7,876	3,561	4,382	7,800	3,460	4,535	7,220	3,429
Noxubee.....	23	6	8,357	16,002	11,684	8,477	16,751	11,978	8,108	14,671	11,350
Oktibbeha.....	7	5	3,369	4,837	2,638	3,558	5,029	2,751	3,185	4,615	2,565
Panola.....	32	1	26,659	22,025	16,124	27,070	22,514	16,579	19,976	20,770	14,538
Perry.....	4	----	1,037	1,613	598	1,027	1,599	591	973	1,462	598
Pike.....	20	5	9,145	9,466	8,810	8,772	9,157	8,828	9,039	8,838	8,766
Pontotoc.....	17	3	9,233	7,110	3,099	9,322	7,111	3,036	8,107	6,933	3,017
Prentiss.....	10	5	5,998	6,299	3,349	5,882	6,429	3,299	4,804	5,885	3,109
Quitman.....	31	----	26,805	34,086	22,949	26,666	34,515	22,398	19,802	26,555	19,636
Rankin.....	18	3	4,947	6,200	2,952	4,804	6,360	2,922	4,832	5,876	2,916
Scott.....	15	2	5,714	5,719	2,867	5,533	5,468	2,845	5,518	5,497	2,772
Sharkey <sup>2</sup> .....	27	4	13,209	24,120	21,555	13,801	25,365	22,762	10,595	14,890	16,472
Simpson.....	16	6	5,522	7,700	4,875	5,158	7,286	4,512	5,478	7,447	4,797
Smith.....	24	3	5,414	8,515	3,988	5,237	8,038	3,686	5,282	8,206	3,912
Sunflower <sup>2</sup> .....	69	6	62,402	87,196	80,015	62,814	89,690	81,087	49,114	67,754	70,344
Tallahatchie.....	53	4	35,625	44,791	34,992	36,979	46,529	34,992	28,925	34,017	30,084
Tate.....	20	2	16,696	18,290	12,280	17,888	19,526	12,946	12,466	16,714	10,424
Tippah.....	15	4	8,678	6,029	4,206	8,468	5,952	4,075	6,426	5,230	3,674
Tishomingo.....	14	1	5,798	5,686	2,309	5,844	5,994	2,362	4,571	5,171	2,207
Tunica.....	43	3	34,968	31,661	24,061	36,625	34,175	25,206	19,811	24,319	18,848
Union.....	15	----	8,414	6,016	3,145	8,478	6,169	3,024	7,203	5,755	2,905
Walthall.....	19	4	5,885	7,202	5,640	5,546	6,825	5,497	5,773	6,502	5,569
Warren.....	17	6	6,677	13,001	7,583	6,140	12,905	7,475	5,489	9,258	6,354
Washington <sup>2</sup> .....	64	8	42,597	67,477	69,401	44,097	72,233	74,127	35,431	46,166	54,567
Wayne.....	13	5	2,121	3,700	2,162	2,165	3,814	2,263	2,084	3,316	1,890

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.<sup>2</sup> Humphreys County organized from parts of Holmes, Sharkey, Sunflower, Washington, and Yazoo.



TABLE 55.—NUMBER OF GINNERIES IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GINNERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Active.	Idle.	Number of bales (counting round as half bales)—			Number of equivalent 500-pound bales—					
			1919	1918	1917	1919	1918	1917	1919	1918	1917

## MISSISSIPPI—Continued.

Webster.....	13	3	5,920	5,518	2,161	5,886	5,538	2,071	5,594	5,286	2,079
Wilkinson.....	16	7	2,041	6,613	4,522	1,796	5,896	4,157	1,986	5,488	4,184
Winston.....	13	8	3,550	3,658	1,500	3,595	3,854	1,527	3,307	3,340	1,419
Yalobusha.....	22	8	7,483	6,637	3,078	7,679	7,050	2,960	6,211	6,422	2,843
Yazoo.....	30	9	18,337	28,513	32,252	18,203	28,618	31,661	17,626	23,330	29,321
All other.....	8	2	2,604	5,872	2,202	2,371	5,577	2,178	1,953	4,460	2,141

## MISSOURI.

The state....	88	19	62,667	59,797	58,937	64,031	62,162	60,831	43,999	47,039	41,414
Butler.....	5	—	2,396	2,232	(1)	2,414	2,103	(1)	1,934	1,810	(1)
Dunklin.....	33	3	31,296	26,664	25,994	31,891	27,949	26,930	23,376	21,412	18,040
New Madrid.....	9	6	7,339	8,259	7,438	7,591	8,631	7,639	4,705	6,108	5,239
Ozark.....	7	2	565	981	690	581	998	741	502	588	386
Pemiscot.....	19	3	17,907	17,659	17,998	18,251	18,383	18,491	11,031	14,354	12,519
Stoddard.....	5	1	1,852	1,849	2,925	2,020	1,928	3,118	1,453	1,210	2,273
Taney.....	6	—	2,976	1,029	923	473	1,043	943	385	719	725
All other.....	4	4	836	1,124	2,969	810	1,127	2,969	613	838	2,232

## NORTH CAROLINA. (See map, p. 132.)

The state....	2,020	432	857,253	919,338	656,656	880,293	897,761	617,989	755,525	717,405	521,589
Alamance.....	11	3	679	898	557	610	816	464	596	650	415
Alexander.....	4	1	1,684	1,404	829	1,515	1,326	689	1,454	1,167	544
Anson.....	72	7	30,601	25,814	21,559	30,901	25,953	21,443	28,581	23,120	18,740
Beaufort.....	23	4	12,307	12,036	6,248	12,260	11,908	6,061	10,701	9,543	4,990
Bertie.....	52	3	11,635	14,903	10,624	11,686	14,995	10,509	9,805	9,746	7,475
Bladen.....	22	6	11,345	11,260	7,271	11,284	11,026	7,027	10,681	9,154	6,639
Brunswick.....	7	4	687	1,096	518	688	1,102	504	596	549	344
Cabarrus.....	37	3	12,628	11,541	7,770	12,646	11,326	7,430	11,684	9,589	6,255
Camden.....	8	2	2,976	2,613	1,470	3,099	2,777	1,537	2,752	1,829	1,202
Carteret.....	9	1	2,544	2,307	2,273	2,531	2,351	2,293	2,000	1,859	1,548
Catawba.....	24	3	8,142	8,384	4,067	7,233	7,948	3,679	7,116	6,855	3,381
Chatham.....	38	11	7,077	8,142	5,413	6,337	7,528	4,546	6,466	6,440	4,257
Chowan.....	14	1	5,067	5,480	3,010	5,209	5,742	3,103	4,728	4,271	2,475
Cleveland.....	43	—	26,570	25,487	17,173	25,597	25,293	16,088	25,105	21,797	14,315
Columbus.....	17	1	8,673	10,301	7,681	8,614	10,109	7,581	8,060	7,170	7,035
Craven.....	16	5	7,844	6,517	5,069	7,541	6,309	4,847	6,086	4,826	3,701
Cumberland.....	43	2	21,392	19,917	13,727	21,174	20,064	13,258	19,974	17,512	12,331
Currituck.....	2	2	(2)	740	667	(2)	755	645	(2)	120	529
Davidson.....	11	—	1,465	1,839	1,092	1,847	1,761	1,002	1,856	1,279	799
Davie.....	9	3	1,686	2,104	1,116	1,487	1,894	1,088	1,419	1,448	750
Duplin.....	30	4	13,342	14,701	7,837	12,600	14,125	7,237	11,352	11,377	6,811
Durham.....	5	—	369	682	499	352	668	448	276	496	318
Edgecombe.....	97	15	26,203	34,969	25,930	24,657	32,612	23,451	22,998	26,435	16,776
Franklin.....	35	13	11,729	16,656	11,196	10,828	15,887	10,121	10,505	13,057	8,704
Gaston.....	20	5	9,584	8,986	6,155	9,028	8,738	5,564	8,496	7,034	4,628
Gates.....	14	5	4,056	5,488	3,376	4,070	5,444	3,431	3,737	3,843	2,915
Granville.....	7	3	666	1,070	1,186	609	1,030	1,069	554	828	888
Greene.....	22	6	10,259	12,402	8,367	9,959	12,472	8,196	8,097	8,019	5,872
Halifax.....	94	36	28,160	37,140	24,967	27,045	35,944	22,925	22,927	27,601	17,891
Harnett.....	32	7	28,271	26,922	19,441	26,840	25,705	17,614	26,000	23,601	16,724
Hertford.....	17	1	3,614	5,529	3,771	3,633	5,553	3,743	3,028	3,495	2,561
Hoke.....	21	2	17,286	16,679	12,484	17,542	16,486	12,514	15,949	15,224	11,607
Hyde.....	2	3	(2)	262	202	(2)	262	202	(2)	.....	45
Iredell.....	24	10	11,545	11,910	6,386	11,042	11,398	5,806	10,217	9,299	4,923

<sup>1</sup> Humphreys County organized from parts of Holmes, Sharkey, Sunflower, Washington, and Yazoo.<sup>2</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 55.—NUMBER OF GINNERIES IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GINNERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Active.	Idle.	Number of bales (counting round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
NORTH CAROLINA—Continued.											
Johnston.....	67	21	49,697	52,140	39,582	46,437	49,846	35,972	42,684	40,537	31,082
Jones.....	20	7	6,756	6,057	3,780	6,845	6,144	3,810	5,766	4,832	3,050
Lee.....	15	3	7,037	7,176	4,779	6,685	6,876	4,107	6,530	5,845	3,997
Lenoir.....	45	8	12,425	15,706	9,538	11,928	15,552	9,488	10,539	11,715	7,686
Lincoln.....	23	6	7,341	7,111	4,180	6,739	6,714	3,639	6,611	5,810	3,502
Martin.....	30	7	7,370	11,885	8,556	6,963	11,676	8,292	5,422	7,995	5,341
Mecklenburg.....	42	3	25,979	25,290	18,796	26,021	25,442	18,476	23,481	19,769	14,258
Montgomery.....	22	5	5,705	5,167	3,547	5,601	5,003	3,341	5,285	4,222	2,855
Moore.....	21	2	3,472	3,793	2,476	3,267	3,719	2,165	3,101	3,158	1,953
Nash.....	37	15	24,039	30,136	23,156	22,472	28,828	20,336	20,023	20,032	16,390
Northampton.....	52	8	16,136	20,405	14,044	16,162	20,217	13,925	13,803	15,693	10,163
Onslow.....	18	2	6,000	5,620	4,563	5,897	5,487	4,331	5,278	4,734	3,954
Orange.....	16	1	1,176	1,544	1,154	965	1,541	1,178	904	927	743
Pamlico.....	16	2	6,559	5,192	3,755	6,585	5,204	3,726	5,677	4,182	2,102
Pasquotank.....	5	5	4,489	3,952	3,165	4,685	4,158	3,247	3,753	2,444	2,479
Pender.....	10	3	4,329	3,805	2,221	4,067	3,681	1,974	3,559	2,902	1,804
Perquimans.....	13	9	6,150	5,394	4,242	6,067	5,286	3,984	5,507	4,008	3,510
Pitt.....	39	7	20,289	28,255	20,534	19,751	27,372	19,615	16,871	20,311	15,225
Polk.....	3	1	1,330	(1)	1,344	1,194	(1)	1,120	1,217	(1)	949
Randolph.....	9	3	735	974	683	674	902	600	634	647	517
Richmond.....	58	3	18,769	15,100	11,015	18,562	14,846	10,691	17,671	13,597	9,662
Robeson.....	91	7	66,505	63,857	49,485	65,752	62,829	47,813	60,397	54,854	45,202
Rowan.....	38	1	7,939	8,384	5,393	7,613	8,025	4,927	7,383	6,401	4,115
Rutherford.....	20	2	10,003	10,705	6,411	9,261	10,448	5,843	9,178	8,387	5,183
Sampson.....	59	11	30,643	28,363	19,614	29,117	27,189	17,939	26,757	23,057	16,203
Scotland.....	39	5	38,232	34,587	28,727	38,507	34,566	28,445	34,979	29,893	26,217
Stanly.....	15	10	7,243	6,647	5,472	6,735	6,280	4,705	6,495	4,944	4,135
Tyrrell.....	5	2	1,196	1,129	433	1,208	1,170	446	1,082	789	254
Union.....	43	3	29,727	25,592	21,902	29,192	25,403	20,408	27,476	20,994	17,027
Vance.....	8	7	4,899	5,398	4,107	4,649	5,334	3,774	4,223	4,365	3,530
Wake.....	97	13	23,203	28,658	20,274	21,259	27,953	17,618	17,159	18,904	14,908
Warren.....	32	18	8,229	10,910	9,315	7,702	10,587	8,506	7,453	9,072	7,635
Washington.....	21	8	3,843	3,725	2,053	3,941	3,816	2,133	3,423	2,851	1,623
Wayne.....	70	31	27,116	39,074	26,798	26,313	38,277	25,254	22,733	27,552	19,626
Wilson.....	34	16	20,825	29,553	21,220	19,784	28,306	19,726	17,895	21,241	16,036
All other.....	5	5	1,751	1,875	411	1,729	1,777	370	1,280	1,508	291

## OKLAHOMA. (See map, p. 133.)

The state....	899	107	1,002,178	585,149	955,342	1,016,129	576,886	959,081	681,645	520,401	857,561
Adair.....	3	-----	706	946	1,971	697	919	1,934	563	879	1,366
Adoka.....	11	1	10,926	5,534	11,580	11,230	5,520	11,795	9,465	5,357	10,724
Beckham.....	16	1	25,101	12,148	14,881	24,421	11,861	13,413	13,838	9,654	11,675
Bryan.....	30	-----	34,377	23,780	38,362	35,854	24,294	38,773	25,700	22,797	35,446
Caddo.....	20	5	23,792	11,785	22,216	24,082	11,026	21,981	12,796	9,129	19,151
Canadian.....	2	1	(1)	586	800	(1)	540	778	(1)	405	747
Carter.....	27	1	23,630	10,214	24,701	24,774	10,300	25,817	16,218	9,862	24,211
Cherokee.....	8	2	4,985	4,910	7,905	4,767	4,767	7,709	4,291	4,720	6,558
Choctaw.....	17	4	20,615	16,408	22,351	21,134	16,674	23,285	14,708	15,944	21,704
Cleveland.....	16	2	13,790	10,809	17,949	14,275	10,683	17,979	10,833	9,641	16,178
Coal.....	12	-----	9,997	5,562	11,506	9,966	5,463	11,330	7,849	5,335	10,528
Comanche.....	15	2	17,403	2,969	12,041	17,748	2,848	11,300	8,616	2,543	11,184
Cotton.....	10	4	9,950	1,613	7,428	10,883	1,484	7,681	5,238	1,471	7,244
Creek.....	20	3	22,267	18,914	17,088	21,390	15,203	16,658	17,434	16,063	15,451
Custer.....	4	1	657	895	837	657	858	810	221	726	798
Garvin.....	25	-----	42,877	21,540	39,360	43,345	21,403	39,793	27,850	19,699	37,565
Grady.....	18	1	16,667	8,255	17,563	16,667	8,105	17,465	8,787	6,977	14,420
Greer.....	17	2	23,133	7,613	13,298	23,688	7,208	12,830	11,623	5,795	7,960

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 55.—NUMBER OF GINNERS IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
OKLAHOMA—Continued.											
Harmon.....	10	1	22,906	4,620	7,427	24,184	4,747	7,648	11,348	3,240	6,340
Haskell.....	13	3	12,572	9,924	15,170	12,187	10,017	15,367	10,900	9,365	13,975
Hughes.....	24	5	31,138	18,612	25,626	31,082	18,658	25,496	24,886	17,793	22,767
Jackson.....	27	.....	52,566	13,571	26,273	55,131	12,977	26,672	28,454	11,253	21,039
Jefferson.....	21	1	32,227	7,275	30,204	33,348	6,645	30,868	18,974	6,859	29,600
Johnston.....	21	4	18,666	11,749	27,367	19,390	11,591	28,478	13,250	11,250	25,955
Kingfisher.....	2	5	( <sup>1</sup> )	1,335	2,051	( <sup>1</sup> )	1,230	1,960	( <sup>1</sup> )	872	1,741
Kiowa.....	24	3	28,042	7,367	27,081	28,311	6,814	27,314	14,897	6,650	22,986
Latimer.....	4	.....	2,621	2,302	3,086	2,620	2,344	3,172	2,371	2,182	2,958
Le Flore.....	29	3	24,832	19,120	33,660	24,956	19,392	34,464	21,935	17,861	29,576
Lincoln.....	36	3	37,080	28,754	37,466	37,493	28,438	38,147	26,680	24,441	33,249
Logan.....	15	4	8,947	6,340	11,010	8,858	6,211	10,717	6,801	4,953	9,046
Love.....	14	.....	15,549	8,845	16,467	16,241	8,881	16,691	11,201	8,551	16,139
McClain.....	15	.....	14,869	10,218	16,157	15,193	10,179	15,575	10,809	9,000	14,568
McCurtain.....	21	4	20,271	21,802	19,516	19,939	22,269	19,762	14,307	19,956	18,230
McIntosh.....	19	.....	24,161	15,238	18,444	23,963	14,702	18,566	19,227	14,112	12,852
Marshall.....	17	.....	14,047	8,147	15,846	14,332	8,029	15,939	10,004	7,659	14,754
Mayes.....	9	.....	3,594	3,384	4,859	3,519	3,368	4,841	2,671	2,769	3,488
Murray.....	8	.....	13,868	5,506	13,892	14,396	5,475	14,218	9,017	5,225	13,644
Muskogee.....	19	3	27,716	18,402	28,473	26,291	18,281	28,427	21,180	16,402	24,086
Oklfuskee.....	24	1	30,012	23,828	27,443	30,888	24,010	27,859	22,690	21,279	24,408
Oklahoma.....	15	4	12,319	8,270	16,028	12,346	8,114	15,750	8,208	6,200	14,589
Oklmulgee.....	13	1	11,172	8,190	9,448	10,895	7,931	8,889	8,858	7,535	8,860
Osage.....	4	.....	2,054	3,244	3,211	1,896	3,261	3,300	1,667	2,486	2,844
Pawnee.....	8	2	2,399	4,045	3,710	2,291	3,930	3,447	1,827	2,706	3,134
Payne.....	12	3	6,080	6,986	5,885	5,791	6,702	5,599	4,669	5,184	5,098
Pittsburg.....	24	3	20,723	17,030	27,324	20,537	16,839	27,974	16,982	16,211	24,900
Pontotoc.....	22	3	26,655	13,611	29,042	27,036	13,733	28,979	19,712	13,084	26,627
Pottawatomie.....	35	4	35,098	32,740	38,583	35,263	32,153	38,610	25,983	26,961	36,046
Pushmataha.....	12	1	8,446	6,462	9,256	8,755	6,638	9,200	7,022	5,900	8,632
Roger Mills.....	3	.....	1,150	.....	.....	1,109	.....	.....	516	.....	.....
Seminole.....	16	3	18,800	16,067	19,587	17,894	15,556	19,705	14,788	15,198	16,798
Sequoyah.....	22	2	22,800	16,745	29,993	22,701	16,618	30,333	18,478	15,730	27,267
Stephens.....	21	1	30,481	7,843	27,465	32,322	7,562	28,141	15,721	7,165	26,150
Tillman.....	17	1	39,155	12,323	17,479	41,489	11,522	17,287	19,723	10,187	16,285
Tulsa.....	7	.....	3,996	4,230	3,802	3,876	4,068	3,718	3,241	3,633	3,332
Wagoner.....	10	1	10,443	7,931	7,842	10,171	7,804	7,839	8,387	6,530	6,821
Washita.....	12	5	12,105	5,705	15,108	12,168	5,218	14,503	7,025	5,024	13,955
All other.....	3	3	1,765	2,907	2,224	1,689	2,823	2,178	1,206	1,998	1,912

## SOUTH CAROLINA. (See map, p. 129.)

The state...	2,796	320	1,462,277	1,581,726	1,267,135	1,426,146	1,569,918	1,236,871	1,366,024	1,328,925	1,110,327
Abbeville.....	37	1	27,324	25,341	23,246	27,368	24,991	22,869	25,553	20,114	19,310
Aiken.....	137	18	40,708	52,414	42,528	39,502	52,852	41,799	38,975	46,818	38,862
Allendale <sup>2</sup> .....	49	14	20,206	.....	.....	19,826	.....	.....	19,316	.....	.....
Anderson.....	113	12	82,913	67,427	66,193	83,136	67,904	66,534	77,875	55,436	54,539
Bamberg.....	46	7	24,639	35,411	26,639	24,876	37,189	27,028	23,986	31,443	25,314
Barnwell <sup>2</sup> .....	50	21	30,559	70,099	58,321	30,186	71,424	59,694	29,650	62,060	54,400
Beaufort.....	16	6	2,232	9,745	6,785	2,054	9,313	6,309	2,125	7,619	5,582
Berkeley.....	55	5	10,956	16,135	11,201	10,088	15,602	9,682	9,688	13,613	10,505
Calhoun.....	88	10	34,960	45,695	31,386	31,590	41,838	28,455	32,239	36,191	27,798
Charleston.....	89	11	8,723	18,176	12,087	7,338	15,282	9,784	7,774	10,800	9,857
Cherokee.....	24	.....	16,788	15,439	11,719	16,439	15,420	11,459	15,763	12,970	9,353

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.<sup>2</sup> Allendale County organized from parts of Barnwell and Hampton.



TABLE 55.—NUMBER OF GINNERIES IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
SOUTH CAROLINA—Continued.											
Chester.....	67	4	31,480	31,512	23,482	29,868	30,214	22,045	29,898	26,233	20,125
Chesterfield.....	70	17	36,391	32,344	25,097	35,976	31,962	24,078	32,891	28,560	20,747
Clarendon.....	44	6	39,221	41,201	34,884	39,103	42,355	34,863	38,469	36,151	33,116
Colleton.....	29	7	12,543	23,336	19,032	12,164	23,275	18,438	12,334	20,523	18,096
Darlington.....	66	.....	42,946	44,417	35,057	43,092	45,598	33,872	40,085	36,802	30,013
Dillon.....	74	5	42,791	38,185	31,097	41,755	38,002	30,711	39,710	31,333	28,044
Dorchester.....	32	4	15,373	20,916	15,735	13,774	19,381	14,627	14,795	17,972	14,660
Edgefield.....	52	10	23,939	29,008	26,689	23,412	28,422	26,016	23,180	26,846	24,807
Fairfield.....	71	9	22,379	26,778	19,750	21,855	26,558	19,106	21,082	21,379	16,548
Florence.....	56	14	42,549	40,357	35,204	43,170	40,236	35,542	40,107	33,299	32,499
Georgetown.....	9	1	5,003	5,848	4,202	5,062	5,916	4,219	4,333	4,113	3,912
Greenville.....	72	6	53,786	44,734	36,399	53,313	44,508	35,836	48,403	34,774	28,031
Greenwood.....	36	.....	34,319	38,185	31,847	34,491	39,140	32,025	32,986	32,203	27,581
Hampton <sup>1</sup> .....	39	9	10,692	25,928	22,402	10,733	27,437	23,778	10,489	22,372	20,768
Horry.....	29	3	9,530	10,053	8,135	9,149	9,844	7,793	8,520	7,197	6,977
Jasper.....	12	6	2,025	7,296	5,622	1,938 <sup>2</sup>	7,270	5,523	1,992	6,025	5,285
Kershaw.....	106	5	30,199	31,387	18,143	30,012	32,383	18,089	28,692	27,677	15,374
Lancaster.....	64	7	23,191	25,472	18,169	23,412	25,085	16,934	21,000	20,475	14,258
Laurens.....	71	9	50,303	43,177	38,359	49,629	43,833	37,860	46,736	35,732	33,642
Lee.....	53	5	44,485	44,006	33,537	44,289	44,789	33,691	41,705	38,649	30,234
Lexington.....	91	4	29,723	36,403	30,362	26,644	33,971	28,559	26,858	32,968	26,472
McCormick.....	24	.....	16,955	17,356	13,813	17,552	17,519	13,970	16,373	14,915	12,632
Marion.....	31	8	19,175	20,173	14,846	18,400	19,604	14,130	18,070	15,989	13,578
Marlboro.....	111	11	80,569	70,550	55,788	80,924	70,663	55,453	71,385	61,279	48,794
Newberry.....	73	11	33,790	40,461	35,533	31,763	38,681	33,309	32,069	32,929	31,596
Oconee.....	28	2	24,423	25,351	20,571	23,182	24,890	19,728	22,511	20,714	16,422
Orangeburg.....	199	6	87,939	112,004	85,283	82,947	110,718	83,394	83,944	94,790	77,587
Pickens.....	37	6	25,136	21,707	17,735	23,387	20,726	15,976	22,787	17,646	13,327
Richland.....	66	4	26,417	26,972	19,206	25,683	26,427	18,211	25,669	23,429	17,313
Saluda.....	47	10	24,927	27,644	28,071	23,980	26,942	26,026	23,467	24,960	25,335
Spartanburg.....	91	8	80,989	70,939	58,771	77,123	69,905	56,300	72,920	57,914	46,893
Sumter.....	79	1	46,615	56,825	39,896	46,662	57,723	39,816	44,270	47,967	36,235
Union.....	35	5	19,206	20,636	15,989	17,915	20,009	15,212	17,865	16,916	14,083
Williamsburg.....	50	3	26,963	33,246	26,936	26,526	33,585	27,281	25,973	27,731	24,915
York.....	78	9	45,569	41,427	31,388	44,858	40,532	29,938	41,512	33,399	24,908

## TENNESSEE. (See map, p. 132.)

The state....	486	68	301,408	317,962	238,806	310,044	329,697	240,525	219,661	256,554	187,482
Benton.....	4	1	2,699	2,455	1,913	2,872	2,570	1,936	1,869	1,986	1,682
Bradley.....	3	.....	2,501	1,855	798	2,399	1,810	752	2,151	1,370	567
Carroll.....	19	1	10,105	8,817	8,117	9,776	8,565	7,758	7,488	7,349	6,968
Chester.....	11	2	5,093	5,517	3,332	5,536	5,450	3,189	4,096	4,865	2,759
Crockett.....	12	1	10,853	8,556	9,097	11,035	8,820	8,826	8,637	6,855	8,108
Decatur.....	8	.....	1,916	2,025	1,434	1,978	2,010	1,426	1,406	1,613	1,135
Dyer.....	19	3	18,052	17,371	17,988	17,962	17,461	17,635	12,884	12,694	14,098
Fayette.....	31	9	21,167	22,267	12,468	22,746	24,463	13,056	15,363	19,556	9,923
Gibson.....	21	2	19,942	19,948	18,894	19,726	19,597	18,834	15,262	14,831	14,533
Giles.....	18	1	5,213	6,352	4,821	5,370	6,386	4,732	3,817	4,878	3,811
Hardeman.....	23	3	14,853	13,684	8,540	15,584	14,508	8,631	10,531	11,681	6,805
Hardin.....	18	2	4,910	5,928	3,735	5,080	5,917	3,769	3,882	5,095	3,033
Haywood.....	30	1	19,608	20,387	12,218	20,741	21,806	12,426	13,657	17,114	9,801
Henderson.....	30	2	11,030	10,706	7,259	11,187	10,969	7,258	8,617	9,249	5,701
Henry.....	5	2	1,914	3,668	2,546	1,956	3,728	2,454	1,305	2,639	2,006
Lake.....	14	4	13,080	11,961	12,883	13,313	12,193	13,105	8,770	9,763	9,352
Lauderdale.....	28	2	21,117	22,091	18,189	21,907	23,120	18,655	14,005	18,305	14,414
Lawrence.....	9	.....	6,470	5,971	3,709	6,442	6,065	3,721	4,714	4,360	2,918

<sup>1</sup> Allendale County organized from parts of Barnwell and Hampton.



TABLE 55.—NUMBER OF GINNERS IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—					
			1919	1919	1918	1917	1919	1918	1917	1919	1918
TENNESSEE—Continued.											
Lincoln.....	11	.....	5,025	4,464	4,055	5,123	4,569	4,182	4,387	3,782	3,081
McMinn.....	5	1	1,632	1,322	752	1,558	1,290	707	1,579	992	570
McNairy.....	26	6	11,378	9,866	5,689	11,685	10,231	5,804	9,078	8,712	4,964
Madison.....	30	.....	15,415	13,278	10,042	16,513	13,634	10,325	11,261	11,329	7,134
Obion.....	6	3	3,532	5,369	5,942	3,463	5,415	5,911	2,533	3,027	4,767
Polk.....	6	.....	2,137	1,713	1,234	1,978	1,633	1,135	1,986	1,335	888
Rutherford.....	6	5	7,916	7,894	5,228	7,900	7,954	5,065	6,722	5,198	4,080
Shelby.....	45	4	38,196	50,509	31,284	40,343	53,075	32,654	24,554	40,667	23,558
Tipton.....	32	5	19,577	26,235	20,511	19,839	28,832	20,601	13,721	21,811	16,574
Wayne.....	3	.....	865	(1)	(1)	895	(1)	(1)	598	(1)	(1)
Weakley.....	6	1	2,247	3,983	3,888	2,219	3,959	3,882	1,834	2,903	2,918
All other.....	7	7	2,965	3,770	2,240	2,918	3,667	2,096	2,290	2,595	1,334

## TEXAS. (See map, p. 135.)

The state...	3,582	531	2,960,335	2,610,337	3,041,726	3,098,967	2,696,561	3,125,378	2,233,523	2,417,375	2,941,107
Anderson.....	30	8	10,391	18,798	27,738	10,616	19,001	28,205	9,864	17,038	27,210
Angelina.....	10	8	1,420	7,056	5,029	1,419	7,206	4,833	1,324	6,593	4,868
Archer.....	3	3	3,232	9,959	2,708	3,295	927	2,781	2,386	886	2,708
Atascosa.....	15	2	5,656	9,256	5,633	5,875	9,486	5,929	5,311	8,441	5,595
Austin.....	33	4	7,015	25,827	25,253	7,414	27,562	27,428	6,510	24,254	25,041
Bastrop.....	24	3	14,151	20,317	16,520	14,783	21,430	17,151	12,618	18,579	16,262
Baylor.....	8	.....	14,272	1,192	5,290	15,020	1,099	5,375	9,523	775	5,232
Bee.....	9	5	3,558	9,651	5,808	3,608	9,935	5,921	3,525	9,321	5,646
Bell.....	52	2	49,213	23,356	24,204	52,107	24,711	25,206	41,782	21,965	23,998
Bexar.....	23	2	9,759	13,813	21,261	10,255	14,644	22,975	9,076	12,794	21,193
Blanco.....	9	.....	4,533	1,297	1,941	4,659	1,333	2,054	4,205	1,250	1,940
Bosque.....	19	3	17,601	5,453	15,015	18,816	5,444	15,550	14,146	5,126	14,809
Bowie.....	29	1	22,692	29,188	30,923	23,618	30,198	32,370	18,968	27,346	29,911
Brazoria.....	14	4	3,907	12,536	15,561	3,869	13,007	15,866	3,807	12,192	15,278
Brazos.....	24	5	7,625	23,609	15,846	7,935	24,043	16,052	7,317	21,702	15,797
Brown.....	13	.....	20,199	1,258	3,880	21,811	1,303	3,895	14,048	1,175	3,879
Burleson.....	31	2	7,478	29,336	19,632	7,800	30,228	20,327	6,867	27,431	19,450
Burnet.....	12	2	12,347	2,562	3,797	13,611	2,606	3,975	10,742	2,512	3,792
Caldwell.....	29	3	23,176	31,318	30,649	24,159	32,683	31,978	20,704	27,878	30,437
Calhoun.....	6	1	2,690	8,666	6,653	2,760	9,139	6,991	2,638	8,563	6,438
Callahan.....	12	6	11,812	1,272	4,886	12,729	1,294	5,046	8,479	1,075	4,882
Cameron.....	11	.....	5,774	8,185	8,790	5,835	8,876	8,996	5,643	7,939	8,068
Camp.....	18	1	8,096	7,590	10,908	8,447	7,827	11,144	7,144	6,815	10,579
Cass.....	46	1	19,653	22,633	31,257	19,952	22,909	31,863	17,429	20,239	30,302
Cherokee.....	32	5	12,108	23,882	28,494	12,047	23,724	28,049	11,656	22,383	28,076
Childress.....	10	.....	27,279	3,798	7,165	27,721	3,874	7,119	16,795	1,850	6,839
Clay.....	17	3	20,709	5,908	16,895	21,434	5,529	7,297	13,666	5,525	16,672
Coke.....	8	.....	9,848	(1)	1,603	10,100	(1)	1,627	6,992	(1)	1,563
Coleman.....	23	4	41,752	915	15,231	43,272	916	15,292	25,934	700	15,162
Collin.....	58	6	54,062	69,116	89,560	56,311	69,365	92,408	35,922	66,140	82,943
Collingsworth.....	8	.....	22,762	7,016	8,528	23,937	7,284	8,768	11,424	4,767	6,934
Colorado.....	23	5	6,712	20,941	18,816	6,929	22,193	20,193	6,284	19,162	18,609
Comal.....	12	2	5,704	4,472	6,608	6,155	4,771	7,017	5,187	4,228	6,577
Comanche.....	12	5	14,339	2,197	2,835	15,414	2,266	2,799	11,162	1,650	2,824
Concho.....	12	.....	16,832	926	1,889	18,135	957	1,952	10,331	750	1,883
Cooke.....	20	5	22,718	15,100	29,965	23,763	15,145	30,660	14,109	14,592	29,553
Correll.....	32	5	26,035	6,523	17,917	27,811	6,773	18,763	21,038	6,229	17,884
Cottle.....	11	1	22,596	(1)	7,666	24,029	(1)	7,950	11,836	(1)	6,866
Crosby.....	10	1	20,639	4,195	5,513	21,279	4,009	5,362	13,217	3,308	4,497

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 55.—NUMBER OF GINNERIES IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
TEXAS—Continued.											
Dallas.....	45	3	37,355	51,016	67,262	39,073	53,036	69,118	26,246	48,888	66,301
Dawson.....	3	1	8,859	(1)		9,674	(1)		4,260	(1)	
De Witt.....	28	3	9,218	44,563	31,306	9,278	46,360	30,939	8,978	42,901	30,193
Delta.....	24		28,394	25,830	35,293	30,069	27,245	36,980	21,886	24,700	31,846
Denton.....	26	3	29,365	19,921	47,761	30,128	20,242	48,448	19,026	19,224	46,886
Dickens.....	6	-----	15,362	3,178	5,595	15,362	3,180	5,577	9,321	2,173	4,855
Donley.....	4	-----	7,715	2,868	5,201	7,957	2,949	4,808	5,148	1,415	3,187
Duval.....	5	2	7,541	6,670	2,874	7,355	6,857	2,899	7,500	6,156	2,588
Eastland.....	10	5	15,299	4,541	6,642	16,489	4,524	6,707	11,758	3,725	6,602
Ellis.....	77	5	63,753	91,258	105,471	67,680	95,638	109,247	36,627	86,220	100,695
Erath.....	17	3	16,168	3,262	5,896	17,170	3,245	5,806	11,774	2,803	5,889
Falls.....	41	6	34,647	27,663	31,814	36,518	28,913	32,609	28,859	26,146	31,633
Fannin.....	46	3	67,865	59,166	93,684	72,679	61,947	98,938	49,114	56,612	85,395
Fayette.....	48	4	11,386	28,449	25,272	12,158	30,270	27,097	10,498	26,309	25,062
Fisher.....	17		39,561	2,403	2,354	41,215	2,293	2,250	25,257	1,937	2,283
Floyd.....	5	-----	9,726	2,561	2,931	9,860	2,596	2,949	4,742	1,756	2,534
Foard.....	5	3	9,203	2,380	6,068	10,031	2,253	6,217	4,962	1,150	5,662
Fort Bend.....	31	4	11,223	57,462	46,722	11,557	61,266	47,432	10,924	55,879	46,671
Franklin.....	11	1	7,991	6,514	9,807	8,199	6,724	10,195	7,000	6,139	9,506
Freestone.....	25		17,457	18,265	23,375	18,298	18,733	23,814	15,729	16,966	23,303
Frio.....	8	4	4,588	7,248	2,926	4,742	7,586	3,082	4,135	5,856	2,778
Garza.....	5	-----	8,309	1,244	(1)	7,478	1,070	(1)	3,395	1,019	(1)
Gillespie.....	18		11,084	1,567	3,051	11,915	1,553	3,217	9,882	1,200	2,648
Goliad.....	12	2	3,372	13,070	9,004	3,361	12,882	8,420	3,307	12,516	8,812
Gonzales.....	33	2	8,528	32,153	20,959	8,805	32,784	20,655	8,240	29,680	20,564
Grayson.....	47	2	52,890	40,675	72,783	52,443	41,331	72,840	34,182	38,886	68,480
Gregg.....	17	1	9,662	9,589	14,063	10,226	9,629	14,313	8,568	7,926	13,711
Grimes.....	29	3	8,422	27,364	23,165	8,862	28,445	24,180	8,197	25,560	23,029
Guadalupe.....	27	7	20,650	15,985	26,036	22,210	16,900	27,277	18,303	15,001	25,715
Hall.....	17		43,259	10,318	18,199	45,353	10,268	18,219	24,856	5,307	14,780
Hamilton.....	14	1	18,871	3,628	7,968	20,120	3,813	8,123	14,343	3,487	7,930
Hardeman.....	11		20,638	5,355	10,200	21,880	5,356	10,647	11,037	3,425	9,029
Harris.....	15		1,918	7,455	10,455	1,908	7,746	11,028	1,640	7,066	10,267
Harrison.....	31	5	15,684	18,297	26,888	16,625	18,524	27,576	15,024	15,430	26,432
Haskell.....	19	2	34,662	891	12,844	35,466	905	13,209	20,684	500	12,451
Hays.....	19	2	13,321	14,411	11,075	13,902	14,904	11,646	11,906	13,645	10,889
Henderson.....	29		18,676	16,289	26,809	19,165	16,781	27,619	17,395	14,700	26,606
Hidalgo.....	9		5,400	5,084	2,580	5,400	5,084	2,580	4,414	4,864	573
Hill.....	56	10	51,739	50,294	72,864	53,481	53,049	75,136	34,582	45,921	71,646
Hood.....	9	3	8,210	1,802	5,003	8,484	1,780	5,094	6,722	1,571	4,954
Hopkins.....	35	1	36,406	26,149	42,356	38,889	27,305	44,245	30,572	24,973	40,504
Houston.....	28	10	8,863	29,096	31,415	9,267	30,429	32,816	8,520	26,103	31,213
Howard.....	5	1	7,847	(1)	(1)	8,119	(1)	(1)	5,366	(1)	(1)
Hunt.....	56	3	60,008	58,882	72,500	62,907	61,503	73,297	44,724	56,704	68,704
Jack.....	10	5	5,820	1,750	6,519	6,211	1,735	6,969	4,539	1,681	6,440
Jackson.....	10	2	3,938	18,514	14,010	4,081	19,569	14,752	3,797	18,332	13,944
Jasper.....	10	3	336	1,869	1,183	316	1,847	1,120	291	1,663	1,086
Jim Wells.....	6	2	2,025	5,365	1,973	2,085	5,742	2,080	2,025	5,017	1,759
Johnson.....	29	5	43,032	27,205	44,944	45,986	28,012	45,946	28,128	24,957	44,448
Jones.....	25	6	72,967	8,841	9,972	80,118	9,532	10,463	47,349	7,641	9,709
Karnes.....	22	3	11,099	27,037	11,382	11,255	27,868	11,131	10,832	24,860	10,730
Kaufman.....	60	6	65,894	56,382	78,517	71,053	59,133	82,867	50,877	54,234	76,471
Kendall.....	4	2	821	451	386	889	481	406	715	438	385
Kent.....	4		5,498	(1)	(1)	5,322	(1)	(1)	3,515	(1)	(1)

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 55.—NUMBER OF GINNERS IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GINN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—					
			1919	1918	1917	1919	1918	1917	1919	1918	1917
TEXAS—Continued.											
Kleberg.....	3	.....	2,096	(1)	(1)	2,095	(1)	(1)	2,093	(1)	(1)
Knox.....	17	2	29,319	3,146	8,731	29,366	2,991	8,645	17,311	2,421	8,358
Lamar.....	57	3	73,113	56,353	85,167	76,345	59,599	89,510	59,428	54,068	78,459
Lampasas.....	9	3	8,823	992	2,726	9,578	1,041	2,794	6,766	950	2,723
La Salle.....	5	1	5,634	(1)	.....	5,859	(1)	.....	5,238	(1)	.....
Lavaca.....	35	2	6,769	34,837	26,852	7,185	38,181	29,655	6,420	33,067	26,284
Lee.....	20	4	4,368	12,646	8,332	4,535	12,937	8,891	4,001	11,308	8,276
Leon.....	24	4	11,285	16,427	19,199	11,813	17,026	19,506	10,021	14,513	18,972
Liberty.....	6	5	483	3,038	3,777	485	3,062	3,841	427	2,987	3,433
Limestone.....	41	4	38,027	39,839	40,444	39,290	40,676	39,967	31,477	37,865	40,097
Live Oak.....	3	1	946	1,932	(1)	957	1,972	(1)	917	1,844	(1)
Llano.....	8	.....	3,148	675	1,036	3,455	712	1,081	2,596	596	1,028
Lubbock.....	5	.....	13,865	2,464	947	14,492	2,350	939	9,348	1,942	951
Lynn.....	6	.....	9,955	(1)	(1)	10,771	(1)	(1)	5,725	(1)	(1)
McCulloch.....	15	.....	24,722	971	4,702	26,057	961	4,721	14,554	775	4,664
McLennan.....	67	8	57,224	43,638	70,941	62,439	45,470	72,723	40,547	39,823	70,202
Madison.....	12	1	5,214	10,140	8,722	5,559	10,398	8,987	5,063	9,365	8,710
Marion.....	16	.....	4,034	4,223	6,475	4,217	4,211	6,623	3,840	3,552	6,393
Mason.....	7	.....	4,809	930	1,552	5,335	947	1,581	3,924	859	1,545
Matagorda.....	14	2	4,208	22,049	10,113	4,384	22,164	10,791	4,085	21,745	10,095
Medina.....	10	9	2,291	5,146	4,710	2,389	5,413	4,931	1,936	4,423	4,666
Menard.....	4	.....	1,006	350	(1)	1,046	354	(1)	857	319	(1)
Milam.....	50	5	43,708	41,406	22,338	46,328	43,277	22,462	39,855	38,771	22,105
Mills.....	10	2	10,676	1,651	2,781	11,589	1,721	2,852	7,391	1,600	2,781
Mitchell.....	12	2	24,885	2,269	1,225	26,154	2,103	1,249	12,383	1,891	1,196
Montague.....	27	1	28,135	12,505	24,598	29,536	12,002	25,331	20,768	11,852	24,384
Montgomery.....	8	6	1,157	12,530	7,682	1,150	12,710	7,581	1,099	12,159	7,636
Morris.....	21	.....	8,829	8,255	12,278	8,986	8,333	12,406	7,470	7,180	11,808
Motley.....	8	.....	9,423	2,156	5,484	9,611	2,118	5,553	5,478	948	4,144
Nacogdoches.....	24	17	7,253	20,345	17,834	7,263	20,679	17,324	6,941	18,882	17,685
Navarro.....	56	6	40,842	59,663	78,500	42,998	62,527	80,148	31,236	55,707	76,692
Newton.....	6	6	43	207	468	41	204	445	26	103	385
Nolan.....	12	.....	20,434	(1)	430	21,166	(1)	411	12,931	(1)	419
Nueces.....	24	.....	21,230	39,472	11,685	21,222	40,767	11,545	21,078	38,087	10,685
Palo Pinto.....	8	4	8,369	1,662	5,721	8,744	1,556	5,813	6,404	1,553	5,703
Panola.....	26	6	7,558	16,196	22,472	7,377	16,245	23,020	6,980	13,929	22,032
Parker.....	18	8	14,923	4,623	11,854	15,389	4,551	12,191	11,883	4,433	11,698
Pecos.....	3	.....	2,613	(1)	(1)	2,549	(1)	(1)	1,845	(1)	(1)
Polk.....	18	4	1,918	13,135	9,193	1,863	13,321	9,318	1,606	12,406	9,119
Rains.....	5	1	5,862	4,463	5,970	5,939	4,523	6,054	5,128	4,190	5,941
Red River.....	41	2	40,162	38,737	42,296	43,014	41,348	43,929	35,230	36,818	41,113
Refugio.....	9	1	5,238	13,543	8,381	5,290	13,949	8,478	5,228	13,150	8,028
Robertson.....	41	4	15,906	33,713	22,836	16,218	34,357	23,690	14,055	30,853	22,507
Rockwall.....	12	3	10,896	21,490	28,462	11,458	22,178	29,487	7,783	20,616	27,334
Runnels.....	24	1	47,245	2,638	12,652	50,656	2,605	13,150	32,311	2,162	12,508
Rusk.....	61	2	12,088	29,071	36,065	11,825	29,001	35,553	11,226	25,710	35,404
Sabine.....	7	8	684	3,503	2,917	649	3,433	2,861	668	3,100	2,841
San Augustine.....	16	8	2,207	8,741	8,274	2,118	8,711	8,239	2,161	8,274	8,224
San Jacinto.....	11	2	1,418	8,637	6,740	1,345	9,133	7,035	1,210	8,070	6,623
San Patricio.....	13	1	12,041	23,160	10,218	12,089	24,110	10,635	11,386	22,019	9,961
San Saba.....	15	1	13,464	3,999	3,903	14,261	4,109	3,980	8,942	3,769	3,897
Scurry.....	10	3	19,705	(1)	1,637	20,253	(1)	1,651	11,008	(1)	1,637
Shelby.....	29	13	6,609	19,724	22,922	6,285	18,915	22,056	6,351	18,247	22,687
Smith.....	57	5	20,417	30,374	45,820	20,568	30,465	46,571	19,209	28,188	44,747
Somervell.....	4	.....	1,608	616	1,027	1,700	601	1,041	1,242	526	1,009

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 55.—NUMBER OF GINNERIES IN 1919 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1917 TO 1919, BY COUNTIES—Continued.

COUNTY.	GIN- NERIES.		TOTAL QUANTITY GINNED.						NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—		
	Ac- tive.	Idle.	Number of bales (count- ing round as half bales)—			Number of equivalent 500-pound bales—			1919	1918	1917
			1919	1918	1917	1919	1918	1917			
TEXAS—Continued.											
Stonewall.....	9	.....	12,408	269	960	12,644	244	947	6,655	155	951
Tarrant.....	24	4	17,625	18,646	30,870	18,034	19,011	31,419	11,209	17,251	30,678
Taylor.....	24	2	42,779	2,678	7,284	44,653	2,729	7,897	32,622	2,414	7,061
Throckmorton..	4	1	5,080	1,280	1,475	5,334	1,263	1,522	2,339	985	1,469
Titus.....	20	.....	14,371	11,090	16,961	15,118	11,565	17,541	12,826	10,138	16,136
Tom Green.....	8	1	9,349	(1)	(1)	10,177	(1)	(1)	6,550	(1)	(1)
Travis.....	41	3	32,912	29,380	22,834	35,024	30,974	23,973	29,051	27,948	22,584
Trinity.....	8	4	690	6,932	6,573	681	7,155	6,672	595	6,433	6,411
Tyler.....	7	6	269	2,896	1,863	266	2,813	1,778	222	2,681	1,840
Upshur.....	39	3	15,413	17,307	23,278	15,703	17,307	23,487	14,459	14,620	22,750
Uvalde.....	6	1	2,698	(1)	(1)	2,846	(1)	(1)	2,018	(1)	(1)
Van Zandt.....	44	3	28,259	26,232	41,283	28,451	26,667	42,208	24,055	25,051	40,330
Victoria.....	17	1	6,939	24,153	14,998	7,272	25,390	15,211	6,797	23,628	14,568
Walker.....	11	10	2,378	14,364	13,479	2,380	14,792	13,716	2,110	13,346	13,300
Waller.....	21	2	3,087	12,265	11,813	3,171	12,353	12,500	2,926	11,832	11,774
Ward.....	4	1	5,620	2,274	3,204	5,647	2,324	3,215	4,505	1,562	2,588
Washington.....	34	8	9,084	31,943	26,830	9,653	33,374	29,153	8,666	29,565	26,489
Wharton.....	21	1	8,707	49,882	38,674	9,036	50,481	40,267	8,278	48,677	38,284
Wheeler.....	3	2	6,109	3,979	3,333	6,109	3,926	3,195	3,372	1,780	1,930
Wichita.....	5	4	5,882	2,017	6,139	5,991	2,017	6,237	3,134	1,893	5,976
Wilbarger.....	14	3	28,839	9,456	14,584	30,610	9,445	15,141	15,103	6,839	12,979
Williamson.....	70	3	83,360	49,215	31,421	88,580	52,582	32,360	71,855	45,902	30,855
Wilson.....	14	4	12,470	15,782	9,018	13,212	16,408	9,095	11,737	14,912	8,807
Wise.....	23	3	18,713	7,288	15,287	19,244	7,294	15,660	13,479	6,792	15,090
Wood.....	27	2	20,154	21,724	31,052	20,654	22,219	30,301	18,414	20,127	30,249
Young.....	13	4	16,192	4,631	10,999	17,293	4,342	11,272	12,457	4,369	10,966
All other.....	30	36	29,193	24,027	13,201	30,094	24,125	13,207	21,783	16,395	11,248
VIRGINIA.											
The state....	110	26	23,076	25,235	20,155	22,523	24,885	18,777	19,653	18,297	15,690
Brunswick.....	21	6	2,571	2,985	2,864	2,325	2,732	2,563	2,321	2,424	2,275
Greensville.....	31	2	3,854	4,298	2,556	3,813	4,164	2,406	3,405	3,498	2,090
Isle of Wight....	3	1	623	(1)	658	602	(1)	559	462	(1)	524
Mecklenburg.....	12	3	1,212	1,379	1,397	1,123	1,289	1,264	1,101	1,062	1,097
Nansemond.....	9	2	4,036	4,890	3,664	3,871	4,986	3,558	3,674	3,304	2,949
Norfolk.....	2	1	(1)	1,310	(1)	(1)	1,372	(1)	(1)	859	(1)
Southampton.....	23	3	8,622	8,313	6,982	8,572	8,424	6,573	6,973	5,803	5,256
Sussex.....	6	5	632	1,014	1,044	618	928	1,008	510	628	779
All other.....	3	3	1,526	1,046	990	1,599	990	846	1,207	719	720

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
ALABAMA.										
The state.....	5,549	138,701	383,458	491,285	572,551	632,287	658,465	680,265	692,514	716,655
Autauga.....	98	3,602	6,278	7,208	7,623	7,807	7,818	7,857	7,857	7,857
Barbour.....	89	3,165	6,512	7,956	8,746	9,121	9,256	9,304	9,317	9,317
Bibb.....	(1)	202	660	1,261	1,695	1,900	1,965	1,968	1,968	1,978
Blount.....		938	5,440	7,607	9,269	10,497	10,930	11,245	11,469	11,718
Bullock.....	(1)	2,270	4,394	5,367	6,129	6,274	6,308	6,322	6,341	6,467
Butler.....	(1)	2,497	5,602	6,899	7,674	8,106	8,140	8,288	8,298	8,325
Calhoun.....		2,203	9,736	12,429	14,264	15,480	15,845	16,067	16,148	16,260
Chambers.....	11	6,865	15,065	17,638	18,693	19,407	19,505	19,678	19,697	19,722
Cherokee.....		2,419	10,482	14,061	16,353	18,163	18,863	19,204	19,355	19,623
Chilton.....	(1)	2,049	5,733	7,299	8,032	8,437	8,494	8,518	8,526	8,532
Choctaw.....		613	1,734	2,586	3,075	3,317	3,433	3,535	3,560	3,739
Clarke.....		382	1,889	2,938	3,713	4,123	4,261	4,416	4,479	4,645
Clay.....		1,593	4,941	6,437	7,519	8,263	8,502	8,680	8,810	8,951
Cleburne.....		340	2,515	3,466	4,099	4,655	4,843	5,024	5,104	5,190
Coffee.....	650	4,780	7,454	8,318	8,676	8,971	9,116	9,210	9,216	9,223
Colbert.....		1,068	4,580	6,264	8,124	9,576	10,698	11,514	12,167	12,705
Conecuh.....	65	1,574	3,127	4,290	4,492	4,891	4,909	4,986	5,022	5,279
Covington.....	670	4,959	8,465	9,621	10,153	10,352	10,434	10,495	10,636	10,690
Crenshaw.....	(1)	3,072	5,882	6,654	7,206	8,033	8,179	8,228	8,266	8,350
Cullman.....		1,114	9,903	14,541	18,702	21,632	23,138	24,233	24,943	25,647
Dale.....	207	2,673	3,582	4,479	4,856	5,721	5,814	5,888	5,903	5,953
Dallas.....	298	6,864	12,201	14,507	16,183	16,764	16,808	16,814	16,819	16,839
Dekalb.....		1,161	10,363	14,263	18,174	21,471	22,931	24,129	24,602	25,311
Elmore.....	90	5,780	10,987	12,672	13,358	14,285	14,545	14,792	14,852	14,992
Escambia.....	21	897	2,519	3,043	3,204	3,299	3,355	3,384	3,390	3,406
Etowah.....	(1)	1,992	9,305	11,804	13,194	14,683	15,211	15,526	15,900	16,433
Fayette.....		218	2,366	3,455	4,373	4,924	5,297	5,645	5,764	5,951
Franklin.....		167	3,507	5,538	7,283	8,679	9,743	10,501	10,896	11,833
Geneva.....	1,093	7,143	10,961	12,382	12,678	13,039	13,173	13,219	13,219	13,227
Greene.....	(1)	688	1,922	2,476	2,900	3,113	3,179	3,212	3,212	3,245
Hale.....	(1)	1,139	3,284	4,212	4,706	5,117	5,257	5,267	5,268	5,268
Henry.....	683	5,104	8,032	8,988	9,407	9,736	9,776	9,816	9,826	9,829
Houston.....	862	5,667	8,908	9,616	9,978	10,115	10,157	10,177	10,181	10,182
Jackson.....		631	5,651	8,087	10,745	13,281	14,202	15,223	16,090	16,958
Lamar.....		1,059	4,734	6,402	7,901	8,597	9,064	9,461	9,669	9,745
Lauderdale.....		387	6,096	8,728	11,660	13,619	15,840	16,875	17,533	22,153
Lawrence.....		532	5,156	7,893	10,451	12,765	13,913	14,821	15,684	16,936
Lee.....	68	5,339	9,735	10,948	11,385	11,735	11,814	12,024	12,024	12,173
Limestone.....		1,042	7,850	11,890	15,175	18,434	19,797	21,377	22,428	25,138
Lowndes.....	8	2,139	4,755	5,795	6,680	7,008	7,011	7,017	7,059	7,076
Madison.....		2,239	15,210	20,774	26,016	31,807	33,726	35,557	37,164	40,456
Marengo.....	23	2,597	5,467	7,094	8,364	8,878	8,938	9,027	9,027	9,156
Marion.....		424	3,547	4,974	6,347	7,138	7,567	8,022	8,238	8,558
Marshall.....		1,977	12,360	16,949	21,234	24,938	26,335	27,526	28,499	29,352
Monroe.....	11	2,394	5,620	6,670	7,000	7,774	7,831	7,883	7,923	8,164
Montgomery.....	110	4,004	7,661	8,831	10,006	10,465	10,564	10,627	10,634	10,653
Morgan.....		785	8,179	11,551	14,671	16,981	19,271	21,898	23,223	25,846
Perry.....	21	1,398	3,032	4,153	4,741	4,984	5,078	5,116	5,127	5,128
Pickens.....		498	2,832	4,183	5,119	5,701	5,896	6,050	6,058	6,078
Pike.....	199	4,152	6,876	7,768	8,560	8,812	8,999	9,042	9,062	9,080
Randolph.....		2,266	7,793	9,609	11,034	12,090	12,269	12,581	12,608	12,701
Russell.....	47	2,548	5,161	6,373	6,952	7,320	7,395	7,430	7,431	7,495
St. Clair.....		785	3,331	4,350	5,212	5,780	5,962	6,130	6,143	6,195
Sumter.....	(1)	636	2,991	4,005	4,827	5,272	5,346	5,471	5,473	5,527
Talladega.....	(1)	3,625	10,646	12,702	14,231	15,253	15,553	15,700	15,710	15,733
Tallapoosa.....	16	3,231	7,802	9,159	10,289	11,069	11,247	11,478	11,501	11,560
Tuscaloosa.....		620	3,026	4,379	5,538	6,148	6,494	6,738	6,847	6,935
Walker.....			1,139	2,126	3,034	3,537	3,862	4,123	4,137	4,195
Wilcox.....	(1)	1,612	4,095	5,528	6,275	6,434	6,563	6,621	6,633	6,635
Winston.....		20	2,405	4,034	5,361	6,347	7,043	7,738	7,935	8,224
All other.....	209	6,563	12,279	16,055	19,212	20,169	21,002	21,566	21,643	22,118

¹ Included in "All other counties," to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
ARKANSAS.										
The state.....	29	63,550	277,836	359,960	480,360	605,789	655,942	716,366	752,435	867,177
Arkansas.....		38	442	633	929	1,292	1,431	1,627	1,707	2,033
Ashley.....		759	4,076	5,680	7,289	8,823	9,590	9,783	9,997	10,147
Baxter.....		13	706	1,158	1,549	1,944	2,052	2,243	2,286	2,377
Bradley.....	4	673	2,630	3,168	3,623	4,507	4,816	5,181	5,242	5,439
Calhoun.....		394	2,207	2,673	3,040	3,709	4,015	4,281	4,484	4,869
Chicot.....	(1)	878	4,194	6,704	8,891	10,450	11,361	12,509	12,828	14,246
Clark.....	(1)	1,537	3,894	4,306	5,243	6,876	7,615	8,109	8,462	9,229
Clay.....		149	3,760	5,184	7,233	9,860	10,350	11,620	11,971	12,628
Cleveland.....	(1)	841	3,135	3,737	4,818	5,661	6,066	6,526	6,581	7,102
Columbia.....		1,010	4,389	5,349	7,500	10,062	11,322	11,880	12,324	13,052
Conway.....		1,802	7,508	8,812	11,295	14,511	15,441	17,191	17,889	19,410
Craighead.....		974	6,004	7,759	10,946	14,102	15,028	16,314	17,767	19,979
Crawford.....	(1)	1,297	5,380	7,179	8,909	10,909	11,287	12,586	13,028	13,605
Crittenden.....		1,243	9,625	12,553	17,583	21,779	23,617	25,639	27,706	41,771
Cross.....		484	2,540	3,535	5,253	7,013	7,800	8,741	9,507	11,513
Dallas.....	(1)	557	1,708	2,070	2,536	3,281	3,686	3,831	3,939	4,269
Desha.....		777	3,393	4,223	6,393	8,424	9,304	10,142	10,690	13,620
Drew.....		379	2,754	4,016	5,178	6,388	7,264	7,910	8,224	8,911
Faulkner.....		1,224	6,503	7,855	9,168	11,352	12,762	14,071	14,750	16,553
Franklin.....	(1)	1,449	4,908	6,750	8,231	9,213	9,914	10,853	11,119	11,422
Fulton.....		11	1,112	1,709	2,217	2,749	2,998	3,136	3,288	3,412
Garland.....	(1)		654	867	1,262	1,735	2,048	2,213	2,347	2,516
Grant.....		351	1,297	1,602	1,919	2,483	2,698	2,865	2,943	3,012
Greene.....		595	3,200	3,977	5,880	7,755	8,486	9,455	9,907	11,376
Hempstead.....		2,629	5,492	6,825	8,953	11,207	11,832	12,554	12,751	13,208
Hot Spring.....		625	1,633	1,942	2,391	2,937	3,217	3,363	3,428	3,487
Howard.....	(1)	2,205	4,405	5,474	6,068	7,998	8,358	8,919	9,021	9,489
Independence.....		536	3,351	4,103	5,635	7,261	7,619	8,178	8,598	9,413
Izard.....		84	2,049	2,817	3,657	4,624	4,923	5,178	5,296	5,415
Jefferson.....	(1)	1,515	9,406	13,930	18,752	22,426	26,061	28,479	29,569	34,503
Johnson.....		870	4,746	6,456	8,408	10,362	10,803	11,754	12,225	12,975
Lafayette.....		932	3,688	4,436	5,812	6,863	7,591	8,020	8,113	8,408
Lawrence.....		440	5,446	7,220	9,715	12,414	13,128	14,458	15,246	16,365
Lee.....		735	6,737	9,447	12,595	15,926	17,559	19,461	20,535	27,698
Lincoln.....	(1)	687	4,198	5,633	7,058	8,422	9,648	10,437	11,095	12,780
Little River.....	(1)	1,659	4,052	4,558	5,465	7,009	7,543	8,174	8,297	9,683
Logan.....		1,959	7,748	10,355	12,626	14,769	15,303	16,219	16,576	17,060
Lonoke.....		2,165	8,133	9,858	13,028	17,646	19,176	21,426	22,888	25,674
Miller.....		1,462	4,135	4,988	6,182	7,529	8,040	8,584	8,897	9,584
Mississippi.....		4,204	14,697	19,740	27,765	36,042	37,966	42,343	46,675	60,378
Monroe.....		719	4,529	5,870	7,665	9,832	10,505	11,371	12,038	14,562
Montgomery.....		148	802	1,040	1,401	1,902	2,232	2,490	2,605	2,714
Nevada.....		1,573	4,205	4,992	6,467	7,194	7,827	8,927	9,156	9,887
Ouachita.....		456	2,090	2,791	3,611	4,920	5,558	5,898	6,133	6,413
Perry.....		409	1,831	2,133	2,681	3,519	3,788	4,234	4,402	4,561
Phillips.....		1,600	7,466	9,645	17,263	21,841	23,418	25,609	26,087	33,339
Pike.....		738	1,994	2,367	2,977	3,576	3,962	4,430	4,514	4,761
Poinsett.....		1,154	4,499	6,124	8,132	11,022	11,490	13,101	14,260	17,263
Polk.....		141	1,229	1,864	2,819	4,007	4,628	5,284	5,468	6,135
Pope.....	(1)	2,542	8,121	10,172	12,876	15,695	16,495	17,991	18,789	19,859
Prairie.....		298	1,774	2,183	2,967	3,906	4,514	5,040	5,257	6,359
Pulaski.....		1,199	4,199	6,223	7,735	9,772	10,975	12,375	13,203	16,253
Randolph.....	(1)		2,630	3,787	5,044	6,942	7,316	8,008	8,355	9,131
St. Francis.....		1,895	8,030	10,813	14,020	18,232	19,622	21,488	23,171	28,725
Saline.....		144	738	1,138	1,422	1,780	2,056	2,281	2,435	2,519
Scott.....		701	3,808	4,916	6,221	7,546	8,047	8,620	8,806	9,168
Sebastian.....	(1)	1,274	5,171	6,858	8,620	10,121	10,519	11,416	11,658	11,913
Sevier.....	(1)	1,112	2,830	3,227	4,157	4,880	5,685	6,185	6,496	6,951
Sharp.....		161	1,459	1,989	2,482	3,031	3,200	3,374	3,441	3,519
Union.....	(1)	809	4,363	5,456	6,789	8,579	9,496	10,193	10,544	11,549
Van Buren.....		117	1,579	2,070	2,653	3,468	3,728	4,131	4,292	4,436
White.....		664	5,465	6,528	8,889	12,284	13,324	14,810	16,240	18,373
Woodruff.....		1,651	7,422	8,703	11,975	15,305	15,806	17,568	19,130	23,750
Yell.....	5	3,047	6,806	8,843	11,590	14,543	15,936	17,239	18,122	20,302
All other.....	20	826	8,858	11,447	18,279	23,579	26,096	28,050	29,637	36,124

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
FLORIDA.										
The state.....	1,123	5,154	10,794	13,047	14,900	15,779	16,763	17,027	17,110	17,317
Alachua.....	(1)	100	226	322	345	386	388	402	405	409
Columbia.....	(1)	327	666	849	946	1,030	1,075	1,077	1,077	1,077
Hamilton.....	57	277	547	723	821	872	876	882	882	882
Jackson.....	907	2,722	4,269	4,913	4,977	4,993	5,081	5,209	5,219	5,276
Jefferson.....	12	267	751	956	1,058	1,079	1,141	1,141	1,141	1,141
Leon.....	(1)	529	1,233	1,571	1,758	2,041	2,110	2,135	2,135	2,135
Suwannee.....	(1)	194	733	1,086	1,243	1,471	1,695	1,699	1,744	1,783
All other.....	147	738	2,369	2,627	3,752	3,907	4,367	4,482	4,507	4,614
GEORGIA.										
The state.....	77,573	539,796	1,109,878	1,312,876	1,453,692	1,556,137	1,608,024	1,636,692	1,648,968	1,678,758
Appling.....	230	1,003	1,653	1,790	1,871	1,897	1,902	1,908	1,911	1,912
Atkinson.....	48	290	497	525	535	536	536	536	536	536
Bacon.....	108	494	780	863	896	911	914	915	915	926
Baker.....	(1)	731	1,055	1,131	1,157	1,204	1,208	1,225	1,225	1,227
Baldwin.....	468	4,779	7,865	8,722	9,199	9,875	9,984	10,019	10,029	10,047
Banks.....		1,622	5,981	7,534	8,583	9,436	9,830	10,312	10,498	10,674
Barrow.....	(1)	4,812	11,829	14,151	16,373	18,269	18,935	19,539	19,679	20,270
Barth.....		4,494	15,279	19,708	22,362	23,997	24,761	25,371	25,726	25,941
Ben Hill.....	901	2,548	3,251	3,405	3,457	3,487	3,500	3,535	3,535	3,541
Berrien.....	427	1,332	2,170	2,265	2,303	2,303	2,303	2,303	2,339	2,344
Bibb.....	119	3,519	6,328	7,057	7,725	8,036	8,228	8,289	8,298	8,351
Bleckley.....	300	1,895	2,931	3,213	3,295	3,336	3,384	3,398	3,398	3,398
Brooks.....	855	3,934	5,894	6,297	6,411	6,425	6,446	6,453	6,453	6,467
Bryan.....	71	368	709	772	776	779	783	783	786	796
Bulloch.....	3,327	10,449	14,445	15,380	15,655	15,747	15,795	15,811	15,817	15,844
Burke.....	6,632	28,441	42,362	46,972	49,262	51,115	52,352	52,891	52,997	53,075
Butts.....		3,806	10,200	12,309	13,634	14,545	15,166	15,600	15,761	15,991
Calhoun.....	871	3,443	4,934	5,211	5,473	5,504	5,525	5,539	5,558	5,572
Campbell.....		2,106	8,285	10,500	12,276	13,806	14,587	14,908	15,075	15,283
Candler.....	1,806	4,290	5,539	5,784	5,855	5,881	5,884	5,891	5,891	5,893
Carroll.....		3,409	17,495	23,399	28,184	31,715	33,129	33,878	34,233	34,715
Chattahoochee.....		260	705	816	1,007	1,099	1,150	1,189	1,189	1,199
Chattooga.....		987	5,555	7,703	9,300	10,738	11,217	11,457	11,935	12,284
Cherokee.....		1,376	7,105	9,083	10,581	11,934	12,537	13,058	13,294	13,942
Clarke.....	(1)	3,497	10,077	12,251	13,905	15,238	16,174	16,601	16,732	17,233
Clay.....	148	1,117	2,066	2,402	2,492	2,538	2,550	2,600	2,661	2,710
Clayton.....		1,615	6,496	8,523	10,267	11,569	12,423	12,844	12,942	13,185
Cobb.....		2,558	11,022	15,608	18,450	20,822	22,776	23,524	23,965	24,738
Coffee.....	928	3,116	4,364	4,508	4,522	4,541	4,542	4,547	4,555	4,563
Colquitt.....	3,124	8,693	10,375	10,621	11,425	11,542	11,564	11,580	11,580	11,738
Columbia.....	94	3,949	8,487	9,742	10,734	11,684	12,343	12,439	12,463	12,470
Cook.....	470	1,300	2,487	2,504	2,538	2,590	2,598	2,598	2,598	2,600
Coweta.....	(1)	7,967	19,250	22,583	25,842	27,551	28,721	29,306	29,415	29,971
Crawford.....	21	1,276	2,338	2,663	2,946	3,056	3,072	3,080	3,082	3,093
Crisp.....	2,155	5,563	7,128	7,292	7,435	7,494	7,516	7,544	7,549	7,559
Decatur.....	480	2,611	4,483	4,872	5,046	5,116	5,168	5,193	5,202	5,205
DeKalb.....		1,454	7,520	9,787	12,261	14,189	15,373	16,155	16,638	17,223
Dodge.....	2,204	7,761	10,164	10,889	10,950	11,376	11,376	11,446	11,571	11,890
Dooly.....	1,274	8,533	11,715	12,377	12,714	12,796	12,895	12,952	12,969	13,068
Dougherty.....	1,517	4,000	5,148	5,402	6,098	6,412	6,480	6,574	6,582	6,652
Douglas.....		718	5,303	7,295	8,984	10,201	10,838	11,221	11,392	11,949
Early.....	1,394	4,729	6,494	6,722	6,840	6,853	6,900	6,927	6,935	6,935
Effingham.....	42	595	1,236	1,480	1,574	1,638	1,642	1,646	1,646	1,657
Elbert.....	(1)	5,572	16,132	19,821	21,835	23,795	24,735	25,281	25,412	25,673
Emanuel.....	3,944	12,900	17,777	18,911	19,266	19,399	19,430	19,478	19,486	19,564

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
GEORGIA—Continued.										
Evans.....	748	2,479	3,537	3,665	3,728	3,775	3,783	3,797	3,797	3,805
Payette.....		3,368	8,580	11,538	13,635	15,142	15,990	16,188	16,265	16,731
Floyd.....	(1)	3,246	12,545	16,221	18,710	20,942	21,831	22,374	22,559	22,885
Forsyth.....		1,660	6,917	9,177	10,753	12,037	12,595	12,893	13,195	13,587
Franklin.....	(1)	6,605	18,484	22,552	25,456	27,804	29,099	29,668	29,993	30,562
Glascoc.....	17	1,179	2,788	3,344	3,735	3,972	4,089	4,131	4,152	4,201
Gordon.....		2,000	7,916	10,724	11,964	13,155	14,263	14,267	14,375	15,609
Grady.....	(1)	716	1,276	1,392	1,398	1,401	1,402	1,411	1,411	1,431
Greene.....		4,250	12,503	15,622	17,382	18,962	20,030	20,506	20,555	20,793
Gwinnett.....		4,135	15,340	19,363	23,475	26,406	28,083	29,153	29,817	31,142
Hall.....		2,245	9,161	12,633	15,190	17,187	18,101	19,076	19,603	20,325
Hancock.....	352	7,374	14,737	16,597	18,158	19,376	19,402	19,488	19,648	19,853
Haralson.....		818	5,279	7,514	9,159	10,244	10,629	11,106	11,228	11,352
Harris.....		2,437	5,588	6,597	7,505	7,883	7,948	7,979	7,989	7,989
Hart.....	(1)	5,719	14,714	17,909	20,187	21,623	22,493	22,897	23,122	23,448
Heard.....		2,444	6,349	7,805	8,929	9,468	9,628	9,702	9,715	9,733
Henry.....		5,508	18,296	23,273	27,482	30,144	31,701	33,115	33,585	34,613
Houston.....	53	3,437	5,982	6,652	6,883	7,151	7,197	7,223	7,239	7,256
Irwin.....	1,424	3,979	5,004	5,171	5,234	5,247	5,268	5,276	5,304	5,320
Jackson.....	(1)	6,913	20,867	25,253	29,157	32,622	33,806	34,553	35,317	37,187
Jasper.....	(1)	4,379	12,322	15,098	16,750	18,357	19,423	19,824	19,859	20,002
Jeff Davis.....	47	390	726	783	806	812	813	813	844	852
Jefferson.....	2,590	13,602	21,051	22,933	23,923	24,705	24,929	25,044	25,089	25,163
Jenkins.....	2,875	9,063	13,414	14,429	14,713	14,782	14,795	14,801	14,801	15,564
Johnson.....	1,424	6,748	8,806	9,401	9,617	9,684	9,692	9,696	9,706	9,709
Jones.....	(1)	2,931	5,508	6,033	6,706	7,226	7,269	7,304	7,304	7,309
Laurens.....	2,230	12,367	18,082	19,229	19,723	19,907	19,967	20,071	20,106	20,165
Lee.....	858	3,536	4,700	5,348	5,572	5,601	5,651	5,670	5,675	5,687
Liberty.....	(1)	40	142	170	188	196	200	222	222	222
Lincoln.....		1,221	4,499	6,361	7,560	8,330	8,801	9,167	9,334	9,484
Lowndes.....	202	1,068	1,762	1,935	1,938	1,938	1,942	1,944	1,944	1,987
McDuffie.....	137	4,150	8,630	9,935	10,883	11,722	12,146	12,306	12,345	12,405
Macon.....	367	3,470	5,714	6,242	6,602	6,809	6,853	6,889	6,891	6,897
Madison.....	(1)	6,687	18,352	22,327	25,371	27,598	28,742	29,219	29,393	29,915
Marion.....	(1)	1,151	1,820	2,114	2,388	2,437	2,441	2,446	2,476	2,488
Meriwether.....	(1)	6,506	15,232	17,299	18,921	19,708	19,946	19,976	20,000	20,046
Miller.....	405	1,378	2,079	2,189	2,248	2,277	2,288	2,308	2,308	2,318
Milton.....		1,268	4,933	6,472	7,374	8,079	8,454	8,649	8,720	9,141
Mitchell.....	2,728	9,163	11,772	12,807	13,183	13,295	13,364	13,402	13,422	13,513
Monroe.....	57	5,185	11,718	13,391	14,601	15,842	16,220	16,404	16,498	16,565
Montgomery.....	650	2,748	4,091	4,392	4,461	4,476	4,479	4,484	4,484	4,484
Morgan.....	32	7,265	19,333	24,525	28,251	31,215	32,640	33,585	33,793	34,869
Murray.....		490	1,979	3,122	3,685	3,925	4,034	4,307	4,317	4,728
Muscogee.....	(1)	737	1,771	2,285	2,554	2,794	2,881	2,916	2,929	2,930
Newton.....	(1)	5,706	16,174	21,121	24,082	26,836	28,270	29,124	29,284	30,011
Oconee.....	(1)	3,939	11,120	13,803	15,753	17,128	17,919	18,242	18,306	18,674
Oglethorpe.....	7	4,758	15,345	19,876	22,606	24,819	26,115	26,444	26,664	28,008
Paulding.....		1,702	6,792	8,758	10,066	11,332	11,627	12,009	12,046	12,423
Pierce.....	(1)	435	916	1,141	1,210	1,242	1,267	1,275	1,288	1,310
Pike.....	6	6,243	15,616	18,334	20,030	20,887	21,086	21,228	21,237	21,383
Polk.....		2,163	9,847	13,053	15,117	15,963	16,669	17,117	17,589	17,867
Pulaski.....	536	2,900	4,194	4,507	4,617	4,674	4,698	4,706	4,706	4,722
Putnam.....	29	3,419	9,074	10,830	11,924	13,368	13,896	14,072	14,112	14,148
Randolph.....	402	4,259	6,583	7,189	7,326	7,701	7,802	7,826	7,887	7,919
Richmond.....	903	5,810	9,625	11,092	11,978	12,989	13,365	13,518	13,592	13,696
Rockdale.....	(1)	1,742	6,021	7,650	8,986	9,982	10,730	11,012	11,220	11,679
Schley.....	(1)	1,153	2,173	2,570	2,847	2,915	2,915	2,915	2,915	2,923
Scriven.....	3,314	13,426	17,859	20,391	21,014	21,420	21,591	21,628	21,670	22,179
Spalding.....		4,490	13,898	16,682	19,136	20,873	21,712	22,410	22,617	23,532
Stephens.....		1,031	3,754	5,036	5,813	6,523	6,952	7,151	7,180	7,321

1 Included in "All other counties," to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
GEORGIA—Continued.										
Stewart.....	(1)	1,238	2,681	3,237	3,511	3,729	3,827	3,897	3,902	3,906
Sumter.....	1,642	9,629	13,487	14,767	15,191	15,610	15,716	15,773	15,809	15,885
Talbot.....	5	1,356	3,276	3,921	4,369	4,637	4,687	4,704	4,704	4,711
Taliaferro.....	.....	2,298	6,776	8,311	9,194	10,132	10,595	10,785	10,864	10,927
Tatnall.....	944	3,015	4,672	4,981	5,080	5,118	5,140	5,155	5,168	5,201
Taylor.....	167	3,166	4,985	6,197	6,439	6,543	6,562	6,700	6,732	6,738
Telfair.....	623	2,457	3,841	4,297	4,477	4,508	4,519	4,532	4,537	4,542
Terrell.....	1,548	10,539	14,573	15,576	16,030	16,356	16,505	16,680	16,707	16,716
Thomas.....	1,122	3,745	5,558	5,972	6,121	6,192	6,241	6,260	6,271	6,272
Tift.....	1,899	5,553	7,179	7,393	7,415	7,588	7,588	7,588	7,589	7,660
Toombs.....	1,024	4,276	6,106	6,505	6,693	6,747	6,785	6,813	6,816	6,832
Treutlen.....	877	2,761	4,100	4,298	4,341	4,469	4,485	4,485	4,485	4,539
Troup.....	47	6,706	13,042	14,716	16,266	16,978	17,212	17,275	17,288	17,315
Turner.....	2,538	6,512	8,143	8,423	8,501	8,584	8,605	8,616	8,616	8,627
Twiggs.....	76	1,447	2,573	2,904	2,957	3,006	3,019	3,039	3,072	3,083
Upson.....	12	2,558	5,953	7,170	7,821	8,008	8,066	8,145	8,188	8,201
Walker.....	.....	646	4,039	5,663	7,069	8,245	8,826	9,144	9,285	9,519
Walton.....	(1)	8,366	22,240	27,065	31,259	34,374	35,899	36,666	36,844	37,784
Ware.....	.....	(1)	240	282	293	304	307	307	309	329
Warren.....	(1)	3,340	8,103	10,093	11,586	12,885	13,727	14,177	14,394	14,550
Washington.....	1,224	10,936	16,837	19,124	19,993	20,529	20,661	20,742	20,758	20,802
Wayne.....	60	492	1,115	1,259	1,315	1,330	1,242	1,342	1,348	1,357
Wheeler.....	669	2,237	3,130	3,304	3,455	3,479	3,493	3,498	3,498	3,554
Whitfield.....	.....	730	4,860	6,649	8,050	9,538	10,119	10,627	10,792	10,983
Wilcox.....	2,980	8,535	10,617	11,169	11,272	11,316	11,333	11,335	11,349	11,362
Wilkes.....	(1)	5,894	17,032	22,989	25,840	28,664	30,216	31,204	31,314	31,875
Wilkinson.....	84	1,893	3,325	3,908	4,081	4,128	4,138	4,151	4,157	4,186
Worth.....	3,102	9,411	11,642	12,307	12,651	12,821	12,862	12,882	12,882	13,051
All other.....	579	797	4,054	5,697	11,395	12,436	14,455	14,939	15,165	16,177

## LOUISIANA.

The state.....	561	52,032	144,810	189,584	228,965	260,451	279,370	290,190	294,542	303,035
Acadia.....	65	1,932	4,005	4,842	5,372	5,569	5,825	5,842	5,922	5,980
Avoynes.....	30	4,689	7,800	9,065	9,405	10,297	10,846	11,043	11,043	11,665
Bienville.....	(1)	1,077	3,812	5,127	6,412	7,593	8,603	8,956	9,139	9,217
Bossier.....	(1)	976	3,839	5,409	7,592	9,392	10,725	11,651	11,850	12,144
Caddo.....	(1)	2,146	7,326	10,052	13,176	18,413	20,184	21,675	22,253	22,915
Caldwell.....	156	888	1,347	1,918	2,193	2,346	2,407	2,441	2,441	2,522
Catahoula.....	670	2,469	3,267	4,009	4,415	4,669	4,669	4,794	4,794	4,940
Claiborne.....	(1)	1,612	5,381	6,916	8,623	10,262	11,546	12,196	12,412	13,067
Concordia.....	323	429	1,049	2,302	2,849	2,998	3,354	3,383	3,383	3,383
De Soto.....	922	3,163	4,518	6,235	7,833	8,423	8,727	8,892	8,892	8,965
East Baton Rouge.....	(1)	1,104	2,629	3,282	3,607	3,849	3,951	4,000	4,029	4,048
East Carroll.....	(1)	874	3,500	4,744	5,819	6,700	7,745	8,215	8,416	8,685
East Feliciana.....	29	1,414	3,608	4,269	4,548	4,707	4,711	4,713	4,713	4,713
Evangeline.....	28	2,246	4,488	5,024	6,443	6,903	7,361	7,543	7,543	7,543
Franklin.....	(1)	4,483	9,828	12,103	13,806	14,958	15,378	15,510	15,510	15,606
Grant.....	70	250	523	790	884	913	1,061	1,063	1,085	1,085
Jackson.....	455	1,786	2,572	3,388	3,728	4,052	4,295	4,481	4,564	4,564
La Salle.....	(1)	83	230	333	359	359	409	416	416	543
Lafayette.....	200	5,195	10,215	12,007	12,808	13,405	13,739	13,879	13,903	13,903
Lincoln.....	946	3,818	4,997	6,066	7,116	7,726	8,036	8,155	8,155	8,264
Madison.....	(1)	770	2,205	2,830	3,494	3,962	4,227	4,279	4,583	4,583
Morehouse.....	482	3,191	4,224	5,517	6,461	6,988	7,945	8,146	8,146	8,655
Natchitoches.....	(1)	1,748	5,848	7,815	10,165	11,780	12,247	12,531	12,641	12,697
Ouachita.....	(1)	1,014	3,471	4,942	6,114	6,731	7,763	8,372	8,435	8,685
Pointe Coupee.....	35	811	2,419	3,560	4,090	4,401	4,443	4,493	4,575	4,682
Rapides.....	(1)	994	2,153	3,084	3,542	3,677	3,754	3,904	3,918	3,932
Red River.....	898	2,674	3,696	4,782	6,034	6,675	6,867	6,898	6,898	6,962
Richland.....	8	2,671	7,800	8,996	10,811	11,873	12,125	12,362	12,362	12,379
Sabine.....	55	465	983	1,781	2,128	2,391	2,452	2,452	2,452	2,523
St. Helena.....	7	259	1,362	1,605	1,673	1,700	1,717	1,721	1,721	1,722

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
LOUISIANA—Continued.										
St. Landry.....	21	4,076	9,964	13,123	13,914	14,414	15,100	15,216	15,318	15,392
St. Tammany.....	(1)	136	403	512	541	561	570	574	580	582
Tangipahoa.....	(1)	994	2,484	2,973	3,141	3,230	3,254	3,263	3,272	3,273
Tensas.....		375	1,768	2,842	4,068	5,740	6,731	6,799	7,156	7,380
Union.....		918	3,348	4,261	5,476	6,332	6,850	7,459	8,212	8,724
Vermilion.....	(1)	525	2,528	3,188	3,631	3,950	3,950	4,008	4,008	4,143
Washington.....	58	1,665	3,584	4,201	4,467	4,595	4,657	4,700	4,713	4,722
Webster.....		570	2,911	3,963	5,629	6,642	7,683	8,223	8,274	8,661
West Carroll.....		1,550	3,751	4,498	5,486	5,999	6,273	6,306	6,351	6,412
West Feliciana.....		207	621	1,143	1,353	1,446	1,478	1,484	1,484	1,485
Winn.....		236	779	1,307	1,630	1,815	1,873	2,133	2,242	2,415
All other.....	80	558	3,699	5,120	5,672	6,023	6,756	6,970	7,111	8,725

## MISSISSIPPI.

The state.....	502	121,125	405,674	534,523	636,459	724,514	779,604	822,025	844,587	950,907
Adams.....		75	562	896	1,422	1,784	1,908	1,977	2,000	2,005
Alcorn.....		485	2,933	4,129	4,668	5,580	6,294	7,000	7,499	8,200
Amite.....	19	1,647	4,207	5,244	5,885	6,261	6,447	6,507	6,510	6,624
Attala.....	(1)	899	3,473	4,970	5,996	6,613	7,217	7,513	7,559	7,645
Benton.....		111	1,585	2,383	3,121	3,884	4,438	4,846	5,180	6,236
Bolivar.....	10	12,196	39,830	47,835	57,249	68,237	73,507	77,172	79,135	99,024
Calhoun.....		407	2,234	3,104	3,712	4,188	4,578	4,819	5,018	5,238
Carroll.....		997	3,471	4,636	5,491	6,288	6,770	7,008	7,085	7,365
Chickasaw.....	(1)	1,499	4,908	6,460	7,760	8,635	8,921	9,503	9,679	9,971
Claiborne.....		335	1,499	2,153	2,892	3,430	3,510	3,514	3,514	3,522
Clarke.....	(1)	435	1,391	2,146	2,482	2,644	2,737	2,801	2,828	2,846
Clay.....	(1)	925	3,216	4,383	5,279	5,914	6,288	6,374	6,443	6,568
Coahoma.....		3,387	18,285	26,524	32,007	38,133	43,099	46,622	48,434	68,242
Copiah.....	(1)	1,048	3,272	4,337	4,984	5,417	5,524	5,553	5,581	5,585
Covington.....	(1)	1,202	3,549	4,280	4,660	4,784	4,824	4,895	4,897	4,973
De Soto.....		589	5,835	8,557	11,098	13,954	15,831	17,429	18,713	24,358
Franklin.....		387	1,578	2,254	2,655	2,881	2,941	2,982	3,005	3,017
Grenada.....		687	3,130	4,397	5,386	6,323	7,061	7,554	7,763	8,113
Hinds.....	18	4,855	11,956	14,468	17,074	18,925	19,620	19,882	19,957	20,108
Holmes.....	(1)	4,017	12,535	15,752	18,207	20,995	22,009	23,207	23,734	24,184
Humphreys.....	12	3,807	9,086	11,494	14,081	15,888	16,563	16,887	17,640	18,069
Issaquena.....	(1)		1,070	2,255	2,671	3,673	4,358	4,732	5,061	5,773
Itawamba.....		800	1,434	2,000	2,880	2,983	3,300	3,476	3,600	3,750
Jasper.....		472	2,146	3,094	3,542	3,842	3,968	4,038	4,044	4,059
Jefferson.....		418	1,598	2,289	3,282	3,973	4,246	4,385	4,438	4,440
Jefferson Davis.....	12	2,099	5,183	6,226	6,691	6,916	7,033	7,058	7,066	7,097
Jones.....	11	1,054	2,667	3,942	4,340	4,553	4,708	4,847	4,862	4,936
Kemper.....		263	1,336	2,346	3,026	3,307	3,476	3,636	3,663	3,766
Lafayette.....		729	2,758	3,811	4,737	5,300	5,917	6,357	6,692	7,291
Lauderdale.....		387	2,009	3,219	3,893	4,214	4,406	4,657	4,672	4,761
Lawrence.....	7	1,905	4,749	5,925	6,689	6,969	7,124	7,172	7,179	7,193
Leake.....		1,391	3,657	4,554	5,511	5,646	5,681	5,741	5,741	6,347
Lee.....		2,465	7,016	9,484	11,074	12,468	13,296	14,003	14,464	15,081
Leflore.....	(1)	6,514	19,727	25,349	29,021	32,295	37,967	39,627	41,007	46,477
Lincoln.....	43	2,485	5,483	6,697	7,293	7,495	7,586	7,607	7,623	7,669
Lowndes.....	(1)	458	3,115	4,557	5,825	6,833	7,492	7,761	7,852	8,061
Madison.....	17	4,023	10,260	12,416	14,524	16,094	17,143	17,217	17,227	17,230
Marion.....	8	1,845	4,082	4,819	5,176	5,280	5,368	5,404	5,414	5,518
Marshall.....		903	5,843	8,267	10,371	12,523	14,045	15,638	16,761	19,797
Monroe.....	(1)	1,584	6,240	8,240	10,075	10,968	11,710	12,050	12,152	12,310
Montgomery.....		456	2,326	3,417	4,222	4,790	5,287	5,611	5,708	5,838
Neshoba.....		623	2,709	3,950	4,641	5,168	5,476	5,559	5,646	5,732
Newton.....		386	2,268	3,383	3,998	4,317	4,535	4,639	4,675	4,754
Noxubee.....		360	2,807	4,825	6,719	7,699	8,108	8,310	8,325	8,357
Oktibbeha.....		199	1,189	1,748	2,250	2,607	3,185	3,296	3,323	3,369

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
MISSISSIPPI—Continued.										
Panola.....	.....	2,690	9,044	12,780	15,643	17,412	19,976	21,360	22,629	26,659
Pike.....	119	3,544	7,006	7,977	8,541	8,931	9,039	9,132	9,141	9,145
Pontotoc.....	(1)	1,507	4,238	5,761	6,533	7,469	8,107	8,377	8,566	9,233
Prentiss.....	.....	327	2,217	3,145	3,530	4,136	4,804	5,320	5,601	5,998
Quitman.....	(1)	2,785	10,659	13,467	16,071	18,691	19,802	21,000	21,757	26,805
Rankin.....	(1)	646	2,623	3,604	4,221	4,653	4,832	4,878	4,892	4,947
Scott.....	.....	597	3,117	4,293	4,935	5,369	5,518	5,583	5,649	5,714
Sharkey.....	.....	390	4,036	6,262	8,009	9,461	10,595	11,876	12,437	13,209
Simpson.....	.....	1,297	3,645	4,535	5,186	5,368	5,478	5,522	5,522	5,522
Smith.....	.....	1,143	3,640	4,559	5,003	5,233	5,282	5,339	5,414	5,414
Sunflower.....	52	12,767	28,752	36,701	43,437	48,005	49,114	54,846	56,442	62,402
Tallahatchie.....	.....	3,806	15,142	19,006	21,981	26,084	28,925	30,464	31,345	35,625
Tate.....	.....	1,317	5,867	7,683	9,680	11,525	12,466	13,626	14,427	16,696
Tippah.....	.....	369	2,660	3,969	4,751	5,743	6,426	6,971	7,448	8,678
Tishomingo.....	.....	129	1,765	2,603	3,264	4,025	4,571	4,983	5,403	5,798
Tunica.....	(1)	2,086	9,750	12,646	15,322	18,896	19,811	21,521	21,935	34,968
Union.....	.....	1,131	4,036	5,278	6,024	6,789	7,203	7,487	7,825	8,414
Walthall.....	98	2,218	4,258	5,040	5,463	5,674	5,773	5,814	5,835	5,885
Warren.....	(1)	512	2,203	3,403	4,422	5,040	5,489	6,222	6,381	6,677
Washington.....	.....	4,081	18,172	23,556	27,634	32,246	35,431	38,018	39,054	42,597
Wayne.....	.....	274	1,090	1,656	1,910	2,013	2,084	2,097	2,111	2,121
Webster.....	.....	672	2,867	4,109	4,858	5,290	5,594	5,704	5,802	5,920
Wilkinson.....	(1)	143	499	1,222	1,664	1,955	1,986	2,022	2,022	2,041
Winston.....	.....	147	1,378	2,014	2,734	3,044	3,307	3,411	3,478	3,550
Yalobusha.....	.....	566	2,982	4,099	4,894	5,559	6,211	6,632	7,044	7,483
Yazoo.....	(1)	3,121	9,234	11,391	14,164	16,879	17,626	18,153	18,175	18,337
All other.....	76	1,051	4,587	6,549	7,925	8,353	8,652	8,801	8,883	9,570

## MISSOURI.

The state.....		1,820	14,623	20,014	28,931	39,980	43,999	48,282	53,488	62,667
Butler.....			588	969	1,432	1,862	1,934	2,086	2,220	2,396
Dunklin.....		677	7,428	10,749	15,473	21,184	23,376	25,133	27,251	31,296
New Madrid.....		332	1,723	2,071	2,981	4,321	4,705	5,208	6,000	7,339
Pemiscot.....		690	3,956	4,863	6,932	9,902	11,031	12,653	14,601	17,907
Stoddard.....	(1)		568	702	1,028	1,394	1,453	1,585	1,696	1,852
All other.....		121	360	660	1,085	1,317	1,500	1,617	1,720	1,877

## NORTH CAROLINA.

The state.....	997	80,782	354,261	495,683	602,384	694,640	755,525	787,165	811,353	857,253
Alexander.....		(1)	(1)	(1)	(1)	1,363	1,454	1,521	1,567	1,684
Anson.....	490	7,360	17,683	22,060	24,559	26,865	28,581	29,313	29,741	30,601
Beaufort.....		228	3,592	5,969	7,684	9,412	10,701	11,249	11,559	12,307
Bertie.....		157	3,181	4,988	6,816	8,364	9,805	10,400	10,952	11,635
Bladen.....	(1)	1,526	5,648	7,635	8,897	9,903	10,681	11,004	11,135	11,345
Cabarrus.....		1,302	6,676	8,331	9,868	11,081	11,684	12,028	12,231	12,628
Camden.....			1,250	1,842	2,174	2,461	2,752	2,787	2,910	2,976
Carteret.....		56	990	1,492	1,853	1,922	2,000	2,341	2,441	2,544
Catawba.....		132	2,659	4,105	5,392	6,537	7,116	7,502	7,724	8,142
Chatham.....		297	2,986	4,002	4,910	5,868	6,466	6,691	6,850	7,077
Chowan.....		112	1,892	2,857	3,563	4,176	4,728	4,791	4,844	5,067
Cleveland.....		1,754	13,593	18,426	21,190	23,815	25,105	25,751	26,164	26,570
Columbus.....		437	3,568	5,363	6,380	7,429	8,060	8,405	8,541	8,673
Craven.....		325	2,255	3,358	4,361	5,373	6,086	6,628	7,149	7,844
Cumberland.....	(1)	3,652	11,547	14,522	17,091	18,944	19,974	20,430	20,928	21,392
Davidson.....			257	495	911	1,218	1,356	1,395	1,410	1,465
Davie.....	(1)		394	764	1,102	1,283	1,419	1,525	1,537	1,686
Duplin.....		996	4,996	7,367	8,961	10,331	11,352	12,174	12,740	13,342
Durham.....	(1)		77	173	218	250	276	302	308	369
Edgecombe.....		456	7,744	13,373	16,174	20,126	22,998	23,741	24,373	25,203

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND-TOTAL FOR THE SEASON, BY COUNTIES; CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
NORTH CAROLINA—Continued.										
Franklin.....		621	3,447	6,335	7,861	9,738	10,505	10,809	11,112	11,729
Gaston.....		408	3,696	5,528	6,717	7,736	8,496	9,006	9,295	9,584
Gates.....	(1)	1,536	2,214	2,828	3,288	3,737	3,805	3,891	4,056	
Greene.....		133	2,668	4,481	5,895	7,093	8,097	8,710	9,338	10,259
Halifax.....		241	7,377	12,858	17,413	20,674	22,927	24,185	25,517	28,160
Harnett.....	(1)	4,051	13,981	18,424	21,418	24,313	26,000	26,718	27,474	28,271
Hertford.....	(1)	617	1,806	1,822	2,440	3,028	3,181	3,296	3,614	
Hoke.....	25	4,041	9,931	11,998	13,889	15,380	15,949	16,267	16,600	17,286
Iredell.....		558	4,305	6,192	7,868	9,356	10,217	10,674	10,887	11,545
Johnston.....		3,752	19,692	28,325	34,354	39,224	42,684	45,090	47,160	49,697
Jones.....		607	2,874	3,854	4,409	5,362	5,763	6,073	6,321	6,756
Lee.....		773	3,099	4,267	5,240	6,060	6,530	6,773	6,901	7,037
Lenoir.....		971	4,821	6,700	8,419	9,385	10,339	11,049	11,414	12,425
Lincoln.....		283	3,142	4,596	5,507	6,280	6,611	6,920	7,033	7,341
Martin.....	(1)	1,520	2,432	3,500	4,500	5,422	6,058	6,651	7,370	
Mecklenburg.....		2,193	12,036	16,114	19,731	21,973	23,481	24,487	25,017	25,979
Montgomery.....	(1)	525	2,682	3,514	4,200	4,873	5,285	5,456	5,590	5,705
Moore.....		324	1,378	1,994	2,510	2,894	3,101	3,184	3,326	3,472
Nash.....		168	6,273	10,739	14,840	17,840	20,023	20,996	22,136	24,039
Northampton.....		283	5,284	7,743	10,055	12,165	13,803	14,597	15,124	16,136
Onslow.....		279	1,592	2,568	3,914	4,717	5,278	5,566	5,791	6,000
Orange.....			263	494	656	797	904	945	1,092	1,176
Pamlico.....		276	2,127	3,594	4,222	5,290	5,677	6,007	6,070	6,559
Pasquotank.....			1,246	2,149	2,772	3,329	3,753	3,964	4,209	4,489
Pender.....	(1)		887	1,706	2,566	3,114	3,559	3,834	4,016	4,329
Perquimans.....	(1)		1,560	3,104	4,216	5,181	5,507	5,750	6,005	6,180
Pitt.....	406		6,421	9,525	12,236	14,997	16,871	17,867	18,771	20,289
Polk.....	(1)		326	747	901	1,114	1,217	1,280	1,280	1,330
Richmond.....	85	4,850	11,151	13,815	15,473	16,693	17,671	17,935	18,147	18,769
Robeson.....	200	12,512	34,673	44,105	50,996	56,776	60,397	62,125	63,534	66,505
Rowan.....		445	3,448	4,486	5,697	6,929	7,383	7,577	7,731	7,939
Rutherford.....		350	4,148	6,052	7,309	8,523	9,178	9,604	9,762	10,003
Sampson.....		4,207	13,018	17,012	21,692	24,001	26,757	28,000	28,873	30,643
Scotland.....	150	10,719	22,566	26,853	30,896	33,805	34,979	35,524	36,049	38,232
Stanly.....	(1)	417	2,946	3,945	4,842	5,842	6,495	6,854	7,053	7,243
Union.....	(1)	2,161	13,762	18,965	22,425	25,523	27,476	28,354	28,828	29,727
Vance.....		98	1,702	2,660	3,068	3,513	4,223	4,628	4,726	4,899
Wake.....		2,210	8,199	11,962	14,143	16,698	17,159	18,416	19,009	23,203
Warren.....		109	3,042	4,250	5,662	6,854	7,453	7,685	7,858	8,229
Washington.....		80	1,348	2,118	2,586	3,039	3,423	3,601	3,682	3,843
Wayne.....		1,976	10,097	14,068	17,966	20,576	22,733	23,668	24,680	27,116
Wilson.....		571	6,843	10,632	13,616	16,146	17,895	19,013	19,764	20,825
All other.....	47	391	1,516	3,237	4,420	3,885	4,742	4,952	5,226	5,714

## OKLAHOMA.

The state.....	107	82,953	273,153	368,041	497,022	635,378	681,645	787,114	833,847	1,002,178
Adair.....	(1)	(1)	271	362	510	563	652	655	706	
Atoka.....	8	2,357	5,185	6,328	7,585	8,914	9,465	10,331	10,530	10,926
Beckham.....		164	2,166	5,228	9,198	13,143	13,838	15,813	16,722	25,101
Bryan.....	10	5,341	12,790	14,993	18,145	23,799	25,700	29,202	30,656	34,377
Caddo.....		183	3,051	4,723	7,841	11,970	12,796	15,344	16,603	23,792
Carter.....	(1)	1,878	6,144	7,865	11,248	14,674	16,218	18,736	20,131	23,630
Cherokee.....		350	1,197	2,469	3,153	4,099	4,291	4,883	4,936	4,985
Cleveland.....	(1)	2,179	5,481	6,789	8,595	10,382	10,833	12,414	12,776	13,790
Coal.....	(1)	1,718	3,961	4,780	6,003	7,367	7,849	9,226	9,486	9,977
Comanche.....		515	2,091	3,081	5,210	7,997	8,616	10,850	12,025	17,403
Creek.....		2,149	8,686	11,828	14,028	16,851	17,434	19,679	20,384	22,267
Garvin.....		3,834	11,580	15,675	21,201	26,373	27,850	32,115	34,577	42,877
Grady.....		160	1,562	2,457	5,279	7,867	8,787	10,825	12,024	16,667
Greer.....		104	1,631	3,073	6,658	11,123	11,623	14,119	14,822	23,133
Harmon.....		95	1,600	3,540	7,483	10,348	11,348	13,460	14,506	22,906

1 Included in "All other counties," to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
OKLAHOMA—Continued.										
Haskell.....	( <sup>1</sup> )	1,663	5,308	6,967	8,857	10,459	10,900	11,977	12,217	12,572
Hughes.....	( <sup>1</sup> )	3,828	12,100	15,586	19,425	23,718	24,886	28,276	29,290	31,138
Jackson.....		815	5,056	9,356	16,603	26,200	28,454	34,373	36,765	52,566
Jefferson.....	( <sup>1</sup> )	1,417	4,992	7,808	12,286	16,879	18,974	22,289	24,248	32,227
Johnston.....		2,007	5,701	7,161	9,747	12,192	13,250	15,655	16,662	18,666
Kiowa.....		319	2,949	4,359	7,968	13,895	14,897	18,244	19,776	28,042
Latimer.....		279	1,032	1,361	1,831	2,211	2,371	2,580	2,608	2,621
Le Flore.....	( <sup>1</sup> )	3,278	11,296	14,275	17,539	20,622	21,935	23,547	24,206	24,832
Lincoln.....		3,367	13,210	17,071	20,765	23,831	26,680	30,553	32,168	37,080
Logan.....		537	2,694	3,766	5,061	6,482	6,801	7,528	7,929	8,947
Love.....	( <sup>1</sup> )	1,527	4,949	5,984	8,139	10,572	11,201	12,627	13,223	15,549
McClain.....		1,704	4,349	5,938	7,964	9,773	10,809	12,522	13,349	14,869
McIntosh.....		3,262	9,749	12,678	15,428	18,193	19,227	21,891	22,678	24,161
Marshall.....		1,268	4,023	5,000	6,961	9,257	10,004	11,448	12,360	14,047
Mayes.....		163	1,219	1,694	1,952	2,360	2,671	3,163	3,351	3,594
Murray.....	( <sup>1</sup> )	1,550	3,916	4,842	6,436	8,280	9,017	10,887	11,715	13,868
Muskogee.....		3,035	10,261	13,633	17,488	20,592	21,180	24,634	25,757	27,716
Okfuskee.....		3,108	11,646	15,019	18,471	21,872	22,690	25,852	27,043	30,012
Oklahoma.....		1,042	3,557	4,799	6,195	7,779	8,208	9,668	10,333	12,319
Okmulgee.....		1,236	4,605	6,067	7,291	8,579	8,858	10,160	10,481	11,172
Osage.....	( <sup>1</sup> )		761	1,039	1,232	1,556	1,667	1,882	1,960	2,054
Pawnee.....		50	863	1,144	1,522	1,817	1,827	1,974	2,122	2,399
Payne.....		551	2,584	3,093	3,666	4,464	4,669	5,337	5,422	6,080
Pittsburg.....		2,508	7,681	10,195	13,015	16,133	16,982	19,383	19,981	20,723
Pottotoc.....	( <sup>1</sup> )	3,883	9,820	11,778	14,985	18,247	19,712	22,888	24,241	26,655
Pottawatomie.....	5	4,529	12,692	16,291	19,947	23,815	25,983	28,278	31,392	35,098
Seminole.....		2,334	7,172	8,556	11,119	13,870	14,788	16,798	17,448	18,800
Sequoyah.....		1,902	8,570	11,841	14,897	17,743	18,478	20,623	21,461	22,800
Stephens.....		844	4,051	6,049	10,276	14,496	15,721	19,284	21,700	30,481
Tillman.....		1,092	4,236	6,948	11,927	17,543	19,723	24,304	26,320	39,155
Tulsa.....		224	1,348	2,083	2,595	3,029	3,241	3,582	3,744	3,996
Wagoner.....		1,004	3,853	5,496	6,711	7,935	8,387	9,412	9,707	10,443
Washita.....		120	1,154	2,240	4,075	6,749	7,025	8,253	9,086	12,105
All other.....	84	7,480	18,631	24,824	32,659	38,818	43,218	49,593	52,271	62,854

## SOUTH CAROLINA.

The state.....	16,199	330,971	840,587	1,052,528	1,185,021	1,298,080	1,366,024	1,400,337	1,419,524	1,462,277
Abbeville.....	4,397	14,414	18,672	21,540	24,175	25,553	26,494	26,705	27,324	27,324
Aiken.....	1,230	16,004	28,632	33,217	35,587	38,132	38,975	39,829	40,186	40,708
Allendale.....	1,509	10,206	15,121	16,947	18,213	18,873	19,316	19,426	19,601	20,206
Anderson.....	( <sup>2</sup> )	13,422	45,158	58,302	67,357	74,740	77,875	79,683	80,605	82,913
Bamberg.....	1,706	12,222	19,173	20,967	22,117	23,102	23,986	24,354	24,420	24,639
Barnwell.....	2,029	15,124	24,374	26,747	28,151	29,166	29,650	30,145	30,218	30,559
Beaufort.....	333	1,083	1,553	1,772	2,054	2,125	2,172	2,201	2,201	2,232
Berkeley.....	1,605	5,194	6,955	8,046	9,257	9,688	10,028	10,770	10,770	10,956
Calhoun.....	1,016	12,028	22,604	26,832	28,996	30,788	32,239	32,824	33,018	34,960
Charleston.....	( <sup>2</sup> )	1,276	2,577	3,843	5,384	6,686	7,774	8,063	8,515	8,723
Cherokee.....	950	7,838	11,401	13,230	14,823	15,763	16,257	16,419	16,419	16,788
Chester.....	( <sup>2</sup> )	3,840	17,087	21,819	25,308	28,026	29,898	30,622	30,886	31,480
Chesterfield.....	403	7,012	17,702	23,386	28,006	31,384	32,891	33,930	34,940	36,391
Clarendon.....	1,175	14,593	27,386	32,597	33,212	35,620	38,369	38,799	39,004	39,221
Colleton.....	153	4,035	8,420	10,302	11,189	12,036	12,334	12,451	12,512	12,543
Darlington.....	10,324	25,044	31,591	35,239	38,270	40,085	41,107	41,613	42,946	42,946
Dillon.....	816	13,160	26,593	31,725	34,398	37,795	39,710	40,832	41,491	42,791
Dorchester.....	117	4,376	10,031	12,006	13,364	14,212	14,795	14,890	15,170	15,373
Edgefield.....	52	6,275	15,857	18,695	20,442	22,216	23,180	23,501	23,625	23,939
Fairfield.....	2,686	12,434	15,323	17,613	19,504	21,082	21,546	21,935	22,379	22,379

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.<sup>2</sup> Not shown separately, to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—								Total ginned.	
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.		Jan. 16.
SOUTH CAROLINA—Continued.										
Florence.....	(1)	10,089	24,562	30,995	34,706	37,747	40,107	41,274	41,928	42,549
Georgetown.....		273	1,874	2,844	3,579	3,973	4,333	4,395	4,577	5,003
Greenville.....		4,513	21,985	32,707	39,696	45,334	48,403	50,180	51,411	53,786
Greenwood.....		6,068	20,941	26,017	29,004	31,848	32,986	33,681	33,857	34,319
Hampton.....	609	5,273	8,173	9,227	9,822	10,186	10,489	10,626	10,672	10,692
Horry.....		625	3,760	5,466	6,515	7,660	8,520	8,911	9,217	9,530
Jasper.....	66	552	1,374	1,685	1,862	1,954	1,992	2,012	2,021	2,025
Kershaw.....	113	8,600	19,795	23,801	25,866	27,707	28,692	29,018	29,668	30,199
Lancaster.....	(1)	1,665	11,422	15,215	17,961	19,831	21,000	21,785	22,261	23,919
Laurens.....		7,204	27,043	35,546	40,815	44,394	46,736	48,063	48,358	50,303
Lee.....	512	12,988	25,511	33,378	37,947	40,272	41,705	42,681	43,184	44,485
Lexington.....	256	7,476	17,420	20,341	23,173	25,311	26,858	28,185	28,638	29,723
McCormick.....	(1)	3,859	10,508	12,835	14,256	15,782	16,373	16,736	16,827	16,955
Marion.....	(1)	4,046	10,576	13,776	15,438	16,809	18,070	18,504	18,849	19,175
Marlboro.....	879	21,132	43,885	54,697	61,679	67,680	71,385	72,798	74,291	80,569
Newberry.....	(1)	5,212	18,933	23,441	27,154	30,458	32,069	32,945	33,134	33,790
Oconee.....	(1)	2,594	11,207	15,537	18,448	20,861	22,511	23,268	23,611	24,423
Orangeburg.....	1,572	32,494	60,019	70,312	75,539	81,349	83,944	85,724	86,000	87,939
Pickens.....		1,269	10,124	14,953	18,576	21,104	22,787	23,746	24,404	25,136
Richland.....	239	6,669	16,717	20,440	22,449	24,717	25,669	26,056	26,265	26,417
Saluda.....	(1)	5,954	15,848	18,490	20,402	22,465	23,467	24,188	24,352	24,927
Spartanburg.....		4,540	34,513	49,512	59,637	66,717	72,920	75,580	77,272	80,989
Sumter.....	1,428	13,294	32,103	36,439	39,207	42,293	44,270	45,155	45,604	46,615
Union.....		917	9,096	12,400	14,711	16,746	17,865	18,406	18,717	19,206
Williamsburg.....	(1)	5,659	14,036	19,293	21,761	24,677	25,973	26,409	26,461	26,963
York.....	(1)	4,128	22,440	30,301	35,654	39,346	41,512	43,058	44,111	45,569
TENNESSEE.										
The state.....	1	7,134	80,609	113,989	156,063	197,094	219,661	240,676	256,258	301,408
Benton.....	(2)	725	991	1,345	1,634	1,869	2,073	2,389		2,699
Carroll.....		137	2,943	4,105	5,268	6,750	7,488	8,372	8,857	10,105
Chester.....		310	1,786	2,498	3,056	3,772	4,096	4,322	4,570	5,093
Crockett.....		425	3,767	4,830	6,463	7,788	8,637	9,568	10,033	10,853
Dyer.....		146	4,630	5,842	7,908	10,470	12,884	14,569	15,685	18,052
Fayette.....		504	6,095	8,599	11,558	14,064	15,363	16,783	18,024	21,167
Gibson.....		523	6,310	8,796	11,911	14,578	15,926	17,669	18,302	19,942
Giles.....		52	950	1,509	2,352	3,205	3,817	4,290	4,570	5,213
Hardeman.....		500	4,217	5,923	7,939	9,625	10,531	11,975	12,839	14,853
Hardin.....		232	1,847	2,527	3,080	3,572	3,882	4,188	4,470	4,910
Haywood.....		266	4,815	7,367	9,836	12,498	13,657	14,690	15,486	19,608
Henderson.....		292	3,633	4,934	6,443	7,942	8,617	9,154	9,601	11,030
Henry.....			392	525	745	1,094	1,305	1,488	1,619	1,914
Lake.....		380	2,765	3,974	5,736	8,172	8,770	9,295	10,274	13,080
Lauderdale.....		266	4,406	6,356	9,524	12,929	14,005	15,420	16,669	21,117
Lawrence.....		39	1,346	2,242	3,195	4,141	4,714	5,123	5,407	6,470
Lincoln.....		112	1,675	2,408	3,170	3,836	4,387	4,614	4,806	5,025
McNairy.....		628	4,452	5,805	6,987	8,356	9,078	9,777	10,439	11,378
Madison.....		563	4,109	6,264	8,408	10,029	11,261	12,275	12,913	15,415
Obion.....		104	747	1,077	1,682	2,232	2,533	2,976	3,033	3,552
Rutherford.....		372	2,982	3,887	4,686	5,637	6,722	7,295	7,518	7,916
Shelby.....		597	7,601	11,533	16,402	21,643	24,554	27,315	30,041	38,196
Tipton.....		384	4,854	6,721	9,438	12,635	13,721	14,949	15,839	19,577
Weakley.....		110	856	1,016	1,471	1,672	1,834	2,070	2,087	2,247
All other.....		192	2,706	4,260	7,460	8,820	10,010	10,426	10,787	12,016

<sup>1</sup> Not shown separately, to avoid disclosure of individual operations.<sup>2</sup> Included in "All other counties," to avoid disclosure of individual operations.



## COTTON GINNED, BY COUNTIES.

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TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
TEXAS.										
The state.....	39,364	401,998	999,191	1,300,462	1,677,618	2,099,752	2,233,523	2,469,373	2,562,052	2,960,335
Anderson.....	15	2,473	6,096	7,286	8,574	9,522	9,864	10,063	10,251	10,392
Angelina.....	3	188	525	874	1,130	1,240	1,324	1,374	1,376	1,420
Archer.....	(1)	1,067	1,362	1,813	2,258	2,386	2,714	2,887	3,232	3,232
Atascosa.....	776	2,656	3,556	4,230	4,696	5,156	5,311	5,419	5,559	5,656
Austin.....	14	1,711	3,797	4,706	5,516	6,365	6,510	6,798	6,931	7,015
Bastrop.....	108	2,865	7,121	9,212	10,956	12,113	12,618	13,093	13,614	14,151
Baylor.....	(1)	754	2,397	4,153	6,558	8,688	9,523	9,913	11,972	14,272
Bee.....	1,259	2,992	3,382	3,473	3,518	3,518	3,525	3,528	3,548	3,558
Bell.....	22	5,547	21,527	28,249	34,177	40,152	41,782	44,252	45,697	49,213
Bexar.....	466	2,911	5,643	7,040	8,076	8,819	9,076	9,392	9,491	9,759
Bosque.....	(1)	1,384	7,203	8,657	10,757	13,656	14,146	15,650	16,223	17,601
Bowie.....	(1)	5,013	10,397	11,974	14,850	18,070	18,968	20,436	21,165	22,692
Brazoria.....	(1)	930	2,043	2,918	3,418	3,680	3,807	3,811	3,842	3,907
Brazos.....	32	2,308	4,526	5,153	6,200	7,028	7,317	7,536	7,547	7,625
Brown.....	(1)	746	4,170	6,704	9,437	13,454	14,048	16,405	16,492	20,199
Burleson.....	35	1,974	4,355	5,111	5,920	6,514	6,867	7,217	7,272	7,478
Burnet.....	(1)	644	5,066	6,674	8,867	10,229	10,742	11,460	11,651	12,347
Caldwell.....	53	3,293	11,677	15,373	18,254	20,070	20,704	21,864	22,266	23,176
Callahan.....	(1)	320	2,207	3,721	5,577	7,920	8,479	9,964	10,422	11,812
Camp.....	(1)	1,731	4,002	4,790	6,025	6,799	7,144	7,548	7,818	8,096
Cass.....	(1)	2,395	7,849	10,551	13,365	16,607	17,429	19,043	19,474	19,653
Cherokee.....	11	2,304	6,705	8,568	10,275	11,351	11,656	11,871	11,924	12,108
Childress.....	(1)	261	3,374	5,607	11,038	14,594	16,795	19,454	20,641	27,279
Clay.....	5	2,078	4,900	6,672	9,567	12,714	13,666	16,374	17,232	20,709
Coke.....	(1)	621	2,069	2,936	3,500	6,449	6,992	8,581	8,753	9,848
Coleman.....	(1)	661	5,633	10,372	15,634	23,188	25,934	30,669	32,040	41,752
Collin.....	(1)	4,776	13,967	17,591	24,441	34,536	35,922	41,271	43,457	54,062
Collinsworth.....	(1)	25	1,159	2,991	6,288	10,415	11,424	13,405	14,321	22,762
Colorado.....	49	1,892	4,029	4,890	5,360	5,916	6,284	6,486	6,557	6,712
Comal.....	15	672	2,449	3,433	4,288	4,987	5,187	5,416	5,506	5,704
Comanche.....	(1)	250	3,649	5,835	7,962	10,691	11,162	12,555	12,967	14,339
Concho.....	(1)	115	1,227	3,120	5,846	8,566	10,331	12,778	13,441	16,832
Cooke.....	(1)	1,447	4,866	6,157	8,803	13,299	14,109	17,484	18,662	22,718
Correll.....	(1)	1,561	10,981	13,477	16,343	20,004	21,038	23,057	23,689	26,035
Cottle.....	(1)	40	1,204	3,326	6,602	10,664	11,836	14,413	15,539	22,596
Crosby.....	(1)	8	768	3,073	6,832	11,123	13,217	16,550	17,825	20,639
Dallas.....	21	4,742	10,873	13,788	18,738	25,498	26,246	29,831	31,268	37,355
Delta.....	13	6,891	11,637	13,077	16,316	21,461	21,886	23,858	24,738	28,394
Denton.....	(1)	1,842	6,733	8,961	12,472	18,042	19,026	22,796	24,207	29,365
De Witt.....	726	4,071	6,262	7,651	8,344	8,845	8,978	9,142	9,168	9,218
Donley.....	(1)	65	1,204	2,439	3,783	5,005	5,148	5,750	5,986	7,715
Duval.....	2,914	5,691	7,078	7,469	7,477	7,487	7,500	7,500	7,513	7,541
Eastland.....	(1)	628	3,784	5,604	8,020	10,845	11,758	12,932	13,483	15,299
Ellis.....	35	4,629	13,925	17,632	23,777	35,096	36,627	44,404	46,871	63,753
Erath.....	(1)	457	3,535	6,125	8,427	11,212	11,774	13,551	14,123	16,168
Falls.....	195	5,729	17,785	20,574	23,754	27,720	28,859	30,663	30,818	34,647
Fannin.....	14	10,370	23,060	27,836	35,013	47,880	49,114	54,976	57,575	67,895
Fayette.....	338	4,563	6,817	8,553	9,503	10,202	10,498	10,855	10,934	11,386
Fisher.....	(1)	1,433	7,701	12,653	18,101	22,194	25,257	28,616	30,050	39,561
Foard.....	(1)	49	394	1,201	2,684	4,296	4,962	5,364	6,315	9,203
Fort Bend.....	49	3,096	6,811	8,355	9,840	10,583	10,924	11,084	11,119	11,223
Franklin.....	(1)	2,037	4,120	5,111	5,942	6,865	7,000	7,462	7,630	7,991
Freestone.....	28	3,179	9,906	11,434	13,323	15,512	15,729	16,448	16,699	17,457
Frio.....	451	1,602	2,455	3,107	3,664	3,978	4,135	4,327	4,444	4,588
Gillespie.....	(1)	102	3,130	5,680	7,616	9,365	9,882	10,458	10,644	11,084
Goliad.....	653	2,048	2,314	3,067	3,168	3,304	3,307	3,361	3,361	3,372
Gonzales.....	384	3,642	5,857	6,926	7,555	8,067	8,240	8,382	8,443	8,528
Grayson.....	(1)	3,198	11,890	15,764	22,134	32,280	34,182	39,634	42,151	52,890
Gregg.....	8	2,476	5,120	6,073	7,376	8,191	8,568	9,083	9,480	9,662
Grimes.....	7	2,386	4,873	5,928	7,332	8,055	8,197	8,282	8,325	8,422

1 Included in "All other counties," to avoid disclosure of individual operations.



TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
TEXAS—Continued.										
Guadalupe.....	119	2,941	7,867	12,085	15,398	17,369	18,303	18,785	19,549	20,650
Hall.....		395	5,009	9,803	16,705	22,568	24,856	29,299	30,708	43,259
Hamilton.....	(1)	827	6,025	8,215	10,650	13,523	14,343	16,111	16,705	18,871
Hardeman.....		107	962	2,446	5,561	9,989	11,037	13,690	14,613	20,638
Harris.....		147	510	811	1,195	1,513	1,640	1,771	1,820	1,918
Harrison.....	15	3,044	7,811	9,936	12,047	14,075	15,024	15,341	15,512	15,684
Haskell.....		976	5,609	9,512	14,634	17,294	20,684	24,253	25,084	34,662
Hays.....	46	1,372	5,414	7,736	9,832	11,478	11,906	12,569	12,692	13,321
Henderson.....	92	6,306	11,186	14,491	16,103	17,017	17,395	17,993	18,182	18,676
Hill.....	4	3,280	15,348	18,470	23,784	33,572	34,582	40,255	42,605	51,739
Hood.....	(1)	875	3,483	4,442	5,440	6,517	6,722	7,372	7,559	8,210
Hopkins.....	24	8,255	15,889	19,926	24,321	29,300	30,572	31,859	32,780	36,406
Houston.....	21	1,804	4,709	5,938	7,365	8,175	8,520	8,676	8,740	8,863
Howard.....		32	798	1,870	3,286	4,815	5,366	6,233	6,553	7,847
Hunt.....	17	8,860	19,205	24,022	31,950	43,560	44,724	49,890	52,760	60,008
Jack.....		653	1,875	2,374	3,261	4,288	4,539	5,140	5,315	5,820
Jackson.....	64	1,067	2,847	2,912	3,370	3,709	3,797	3,832	3,919	3,938
Jim Wells.....	959	1,741	1,945	2,025	2,025	2,025	2,025	2,025	2,025	2,025
Johnson.....	(1)	2,626	11,237	14,029	19,056	27,099	28,128	33,310	35,150	43,032
Jones.....	(1)	2,706	12,458	20,759	31,009	41,178	47,349	54,507	58,342	72,967
Karnes.....	2,584	7,526	9,082	9,911	10,371	10,686	10,832	11,009	11,036	11,099
Kaufman.....	45	13,556	25,468	31,683	39,287	49,686	50,877	56,252	57,854	65,894
Kleberg.....	1,004	1,669	1,968	2,000	2,089	2,093	2,093	2,093	2,093	2,096
Knox.....		352	2,426	5,187	10,347	14,996	17,311	20,689	21,708	29,319
Lamar.....	87	23,031	36,066	39,801	46,642	58,483	59,428	63,171	64,815	73,113
Lampasas.....		109	2,129	3,398	4,676	6,271	6,766	7,513	7,798	8,823
La Salle.....	496	1,804	2,962	3,720	4,563	5,079	5,238	5,407	5,515	5,634
Lavaca.....	150	1,935	3,598	5,073	5,732	6,287	6,420	6,617	6,662	6,769
Lee.....	65	1,053	2,098	2,803	3,271	3,758	4,001	4,202	4,305	4,368
Leon.....	36	1,968	5,975	6,677	8,415	9,868	10,021	10,726	10,992	11,285
Limestone.....	27	4,464	18,343	21,299	25,105	30,852	31,477	33,383	34,406	38,027
Live Oak.....	205	504	781	848	900	917	917	917	937	946
Llano.....	(1)	50	840	1,347	1,880	2,435	2,596	2,863	2,963	3,148
Lubbock.....		19	808	2,571	5,113	7,792	9,348	10,845	11,511	13,865
McCulloch.....		184	2,375	5,063	8,232	13,050	14,554	17,941	18,837	24,722
McLennan.....	53	5,243	21,086	24,288	30,473	37,444	40,547	46,906	48,263	57,224
Madison.....	11	1,159	3,286	3,780	4,315	4,886	5,063	5,173	5,203	5,214
Marion.....	(1)	592	1,853	2,543	3,197	3,640	3,840	3,936	3,974	4,034
Mason.....		58	908	1,760	2,607	3,542	3,924	4,309	4,489	4,809
Matagorda.....	57	1,037	2,397	3,161	3,671	3,969	4,085	4,153	4,200	4,208
Medina.....	201	563	862	1,162	1,449	1,820	1,936	2,058	2,112	2,291
Milam.....	278	9,622	25,625	29,907	34,246	38,799	39,855	41,383	42,047	43,708
Mills.....		257	2,924	4,388	5,953	6,970	7,391	8,464	8,654	10,676
Mitchell.....		54	1,886	3,273	6,836	10,128	12,383	15,895	17,257	24,885
Montague.....	(1)	2,958	7,852	10,502	14,696	19,677	20,768	23,716	24,732	28,135
Montgomery.....		145	332	541	893	1,060	1,099	1,125	1,136	1,157
Morris.....	(1)	1,858	3,972	4,920	5,996	7,139	7,470	8,142	8,422	8,829
Nacogdoches.....	9	998	3,436	4,913	6,047	6,762	6,941	7,188	7,210	7,253
Navarro.....	108	6,113	19,228	21,429	24,798	29,846	31,236	33,933	35,643	40,842
Nolan.....	(1)	450	2,847	4,999	7,951	11,366	12,931	14,806	15,554	20,434
Nueces.....	8,816	17,652	18,419	19,000	20,023	20,896	21,078	21,170	21,175	21,230
Palo Pinto.....	(1)	701	2,894	3,812	4,883	6,204	6,404	7,285	7,524	8,369
Panola.....	5	1,271	3,717	4,685	5,775	6,470	6,980	7,153	7,261	7,558
Parker.....	(1)	1,101	5,155	7,000	8,935	11,121	11,883	13,197	13,692	14,923
Polk.....		49	323	634	1,081	1,426	1,606	1,704	1,819	1,918
Rains.....	(1)	1,374	2,567	3,256	4,024	4,987	5,128	5,477	5,588	5,862
Red River.....	21	12,483	20,260	23,355	28,324	33,744	35,230	37,012	37,685	40,162
Robertson.....	115	4,321	9,353	10,894	12,119	13,692	14,055	15,002	15,343	15,906
Rockwall.....		1,551	3,579	4,201	5,616	7,612	7,783	8,690	9,076	10,896
Runnels.....	(1)	722	6,266	10,498	17,670	27,833	32,311	37,935	39,275	47,245

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



## COTTON GINNED, BY COUNTIES.

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TABLE 56.—COTTON GINNED TO SPECIFIED DATES AND TOTAL FOR THE SEASON, BY COUNTIES: CROP OF 1919—Continued.

COUNTY.	COTTON GINNED TO—										Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 13.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.		
TEXAS—Continued.											
Rusk.....	10	2,292	6,124	7,746	9,457	10,594	11,226	11,617	11,804	12,088	
Sabine.....		74	266	413	540	628	668	684	684	684	
San Augustine.....	(1)	378	1,022	1,572	1,968	2,144	2,161	2,181	2,183	2,207	
San Jacinto.....		12	78	295	666	1,043	1,210	1,361	1,377	1,418	
San Saba.....		147	1,855	3,535	5,473	7,921	8,942	10,545	11,044	13,464	
Scurry.....		217	1,963	3,988	6,684	9,625	11,008	13,487	14,660	19,705	
Shelby.....	(1)	906	3,173	4,352	5,536	6,157	6,351	6,489	6,527	6,609	
Smith.....	69	4,447	11,193	13,033	15,779	18,530	19,209	19,789	19,990	20,417	
Somerville.....		88	550	728	931	1,179	1,242	1,396	1,451	1,608	
Tarrant.....	(1)	512	3,060	4,409	6,726	10,442	11,209	13,767	14,862	17,625	
Taylor.....	(1)	3,149	11,330	16,919	21,023	30,003	32,622	37,061	37,981	42,779	
Titus.....	11	4,268	7,585	9,249	10,386	11,741	12,826	13,315	13,568	14,371	
Tom Green.....	(1)	227	1,617	2,849	4,213	5,780	6,550	7,875	8,222	9,349	
Travis.....	69	5,692	14,139	17,665	23,460	27,261	29,051	30,685	31,019	32,912	
Trinity.....		15	100	226	416	556	595	639	656	690	
Upshur.....	17	3,645	8,290	10,535	12,283	13,992	14,459	14,944	15,127	15,413	
Van Zandt.....	12	6,123	13,713	17,329	21,362	23,094	24,055	25,013	25,960	28,259	
Victoria.....	725	3,362	5,391	6,017	6,441	6,721	6,797	6,874	6,883	6,939	
Walker.....		152	531	792	1,533	1,979	2,110	2,233	2,294	2,378	
Waller.....	(1)	711	1,752	2,202	2,584	2,880	2,926	2,994	3,009	3,087	
Washington.....	74	2,845	4,446	5,985	7,029	8,340	8,606	8,877	8,912	9,084	
Wharton.....	56	2,066	5,061	6,219	7,160	7,921	8,278	8,475	8,611	8,707	
Wichita.....		128	583	945	1,698	2,610	3,134	4,137	4,458	5,882	
Wilbarger.....		531	2,259	4,620	8,271	11,850	15,103	18,578	20,580	28,839	
Williamson.....	123	10,218	34,717	45,200	57,632	68,939	71,855	76,704	77,934	83,360	
Wilson.....	1,486	5,857	8,193	9,438	10,667	11,525	11,737	12,079	12,272	12,470	
Wise.....	(1)	1,514	5,587	7,278	9,859	12,798	13,479	15,373	16,103	18,713	
Wood.....	11	4,167	9,965	12,761	15,184	17,447	18,414	19,241	19,552	20,154	
Young.....	(1)	2,059	4,704	6,293	8,654	11,288	12,457	14,362	14,859	16,192	
All other.....	12,238	22,772	41,961	60,518	84,038	100,078	115,005	129,644	136,724	169,487	

## VIRGINIA.

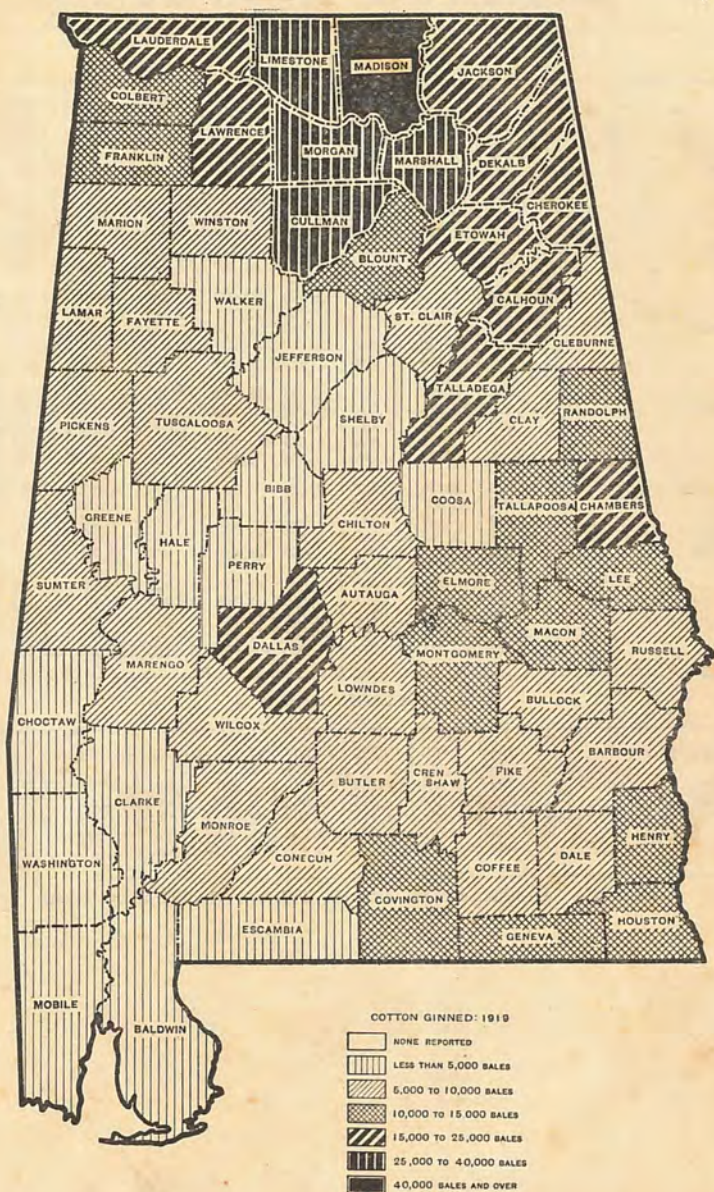
The state.....	155	5,979	10,772	14,574	17,332	19,653	21,050	21,413	23,076
Brunswick.....	32	1,004	1,402	1,819	2,130	2,321	2,378	2,415	2,571
Greensville.....	29	1,243	1,823	2,466	3,069	3,405	3,594	3,673	3,854
Nansemond.....	( <sup>1</sup> )	1,228	2,117	2,833	3,312	3,674	3,806	3,837	4,036
Southampton.....	56	1,837	3,988	5,038	6,081	6,973	7,900	8,024	8,622
All other.....	38	667	1,442	2,418	2,740	3,280	3,374	3,464	3,993

<sup>1</sup> Included in "All other counties," to avoid disclosure of individual operations.



## ALABAMA.

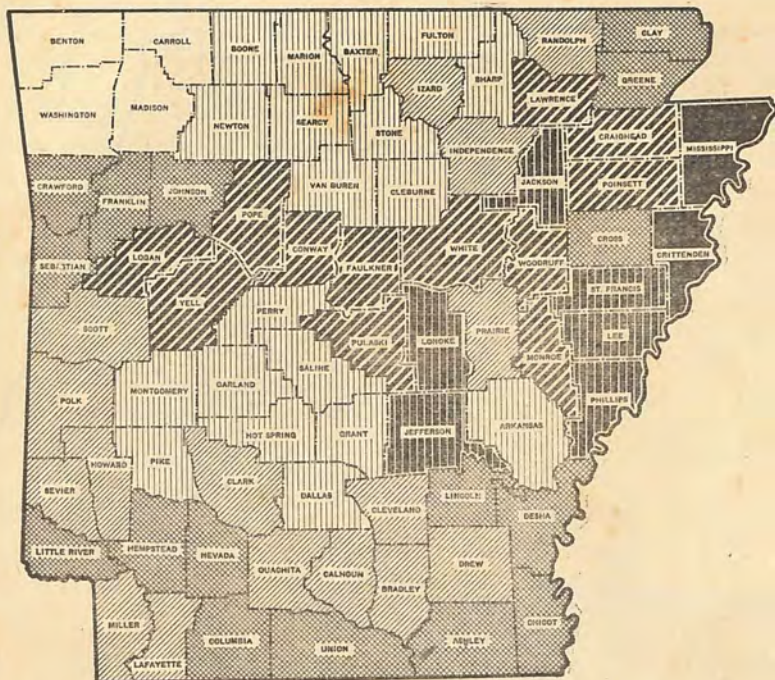
(See table on p. 99.)





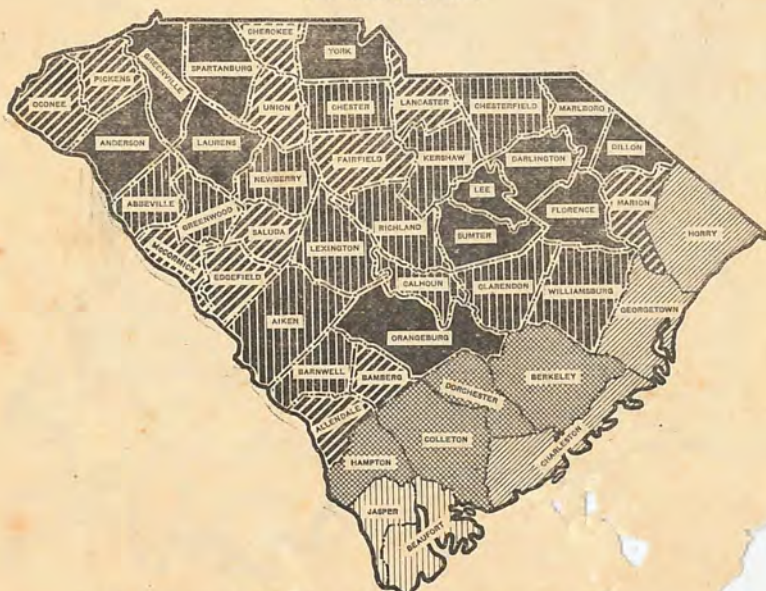
## ARKANSAS.

(See table on p. 100.)



## SOUTH CAROLINA.

(See table on p. 109.)

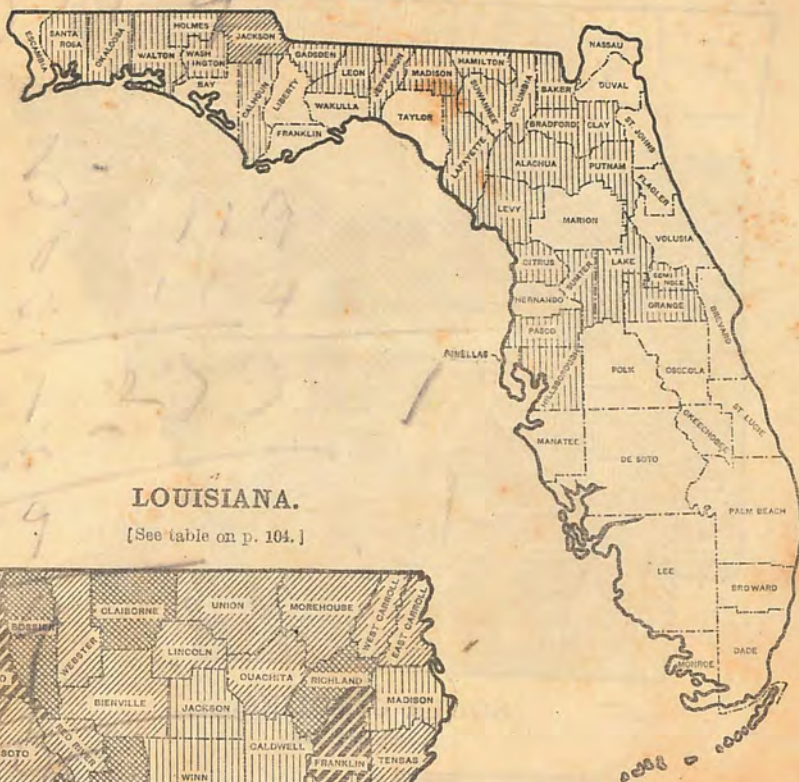


(For the meaning of the shading on these maps, see legend on p. 108.)



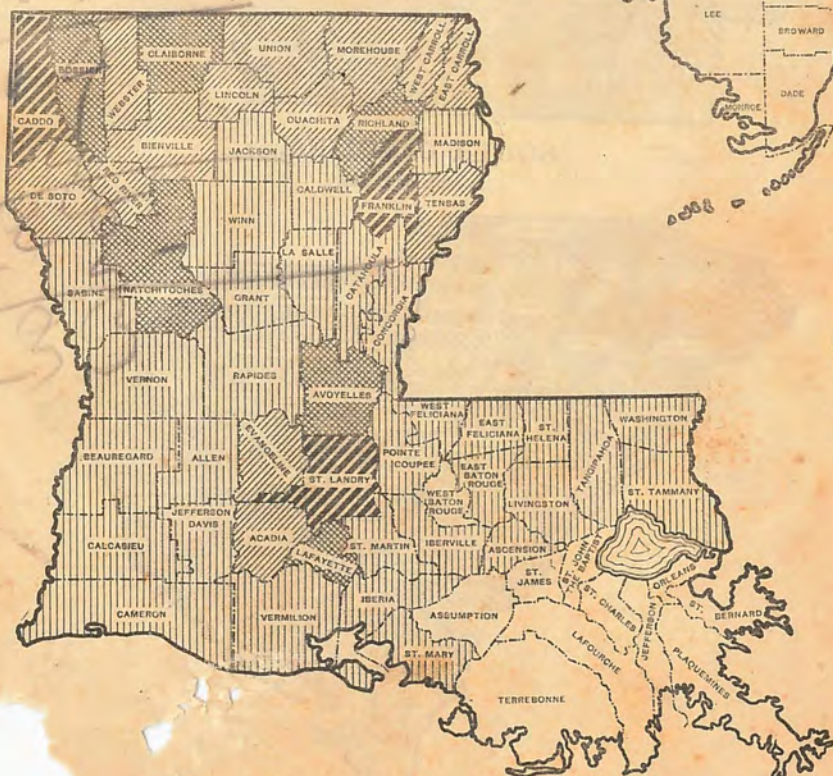
## FLORIDA.

[See table on p. 101.]



## LOUISIANA.

[See table on p. 104.]



(For the meaning of the shading on these maps, see legend on p. 128.)